4010 and

CONTAINS NO CBI

SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION PART A GENERAL REPORTING INFORMATION 1.01 This Comprehensive Assessment Information Rule (CAIR) Reporting Form has been completed in response to the Federal Register Notice of.... [1] [2] [2] [3] [8] [9]CBI [-]a. If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal Register, list the CAS No. [] 2] 6] 4] 7] 1] - [6] 2] - [5]If a chemical substance CAS No. is not provided in the Federal Register, list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the Federal Register. -Chemical name as listed in the rule (i) Name of mixture as listed in the rule (iii) Trade name as listed in the rule If a chemical category is provided in the Federal Register, report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category. Name of category as listed in the rule BENSENE, 1, 3 DIISOCYANATOMETHYL CAS No. of chemical substance [0]2]6]4]7]1]-[6]2]-[5]ISOFOAM SR-0486A Name of chemical substance 1.02 Identify your reporting status under CAIR by circling the appropriate response(s). CBI X/P manufacturer reporting for customer who is a processor 4 0006578022 90-890000248

[] Mark (X) this box if you attach a continuation sheet.

| 1.03 | Does the substance you are reporting on have an "x/p" designation associated with it in the above-listed Federal Register Notice? |
|---------------------------|--|
| (<u></u>) | Yes $[\overline{\underline{X}}]$ Go to question 1.04 No $[\overline{\underline{X}}]$ Go to question 1.05 |
| 1.04 <u>CBI</u> [_] | a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the Federal Register Notice? Circle the appropriate response. Yes |
| | b. Check the appropriate box below: N/A [] You have chosen to notify your customers of their reporting obligations Provide the trade name(s) |
| | [] You have chosen to report for your customers [] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting. |
| 1.05 <u>CBI</u> [] | If you buy a trade name product and are reporting because you were notified of your reporting requirements by your trade name supplier, provide that trade name. Trade nameIPI ISOFOAM SYSTEMS A DIVISION OF PMC, INC. Is the trade name product a mixture? Circle the appropriate response. Yes |
| 1.06 <u>CBI</u> [] | Certification — The person who is responsible for the completion of this form must sign the certification statement below: "I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate:" RICK SIMONETTI NAME SIGNATURE SAFETY ENGINEER (703) 465 - 3741 TITLE TITLE TELEPHONE NO. |
| [_] | Mark (X) this box if you attach a continuation sheet. |

| 1.07 <u>CBI</u> [] | with the required information or within the past 3 years, and the for the time period specified in are required to complete section | you have provided EPA or another For a CAIR Reporting Form for the list is information is current, accurate the rule, then sign the certificate of this CAIR form and provide a submitted. Provide a copy of any tion 1 submission. | ted substance , and complete tion below. You ny information |
|--------------------------|--|--|--|
| | information which I have not inc | best of my knowledge and belief, al cluded in this CAIR Reporting Form and is current, accurate, and compl | has been submitted |
| | N/A NAME | SIGNATURE | DATE SIGNED |
| | TITLE | TELEPHONE NO. | DATE OF PREVIOUS SUBMISSION |
| 1.08 <u>CBI</u> | certify that the following state those confidentiality claims who "My company has taken measures and it will continue to take the been, reasonably ascertainable using legitimate means (other that judicial or quasi-judicial proinformation is not publicly available. | e asserted any CBI claims in this rements truthfully and accurately apich you have asserted. to protect the confidentiality of tese measures; the information is no by other persons (other than govern han discovery based on a showing of occeding) without my company's consilable elsewhere; and disclosure of my company's competitive position. | ply to all of he information, t, and has not ment bodies) by special need in ent; the the information |
| | N/A NAME | With Signature () | July 1 1989 DATE SIGNED |
| | TITLE | TELEPHONE NO. | |
| [_] | Mark (X) this box if you attach a | a continuation sheet. | |

| Cacility Identification Came | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |
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| ddress E | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| [S]T]R]A]S]B]U]R]G] [] [] [] [] [] [] [] | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| City [V]A] [2]2]6]5]7][State [0]0]-[5]3]5]-[8 PA ID Number | |
| State Zip State Zip State Zip State State Zip State Stat | 3 7 2 6 3 7 2 6 5 3 3 6 3 0 8 1 |
| PA ID Number #AZARDOUS WASTE NUMBER [0]0]5]3]5]8 mployer ID Number [9]8]0]0]5 [9]8]0]0]5 rimary Standard Industrial Classification (SIC) Code [3] ther SIC Code [4] ther SIC Code [5] | 3 1 7 1 2 1 6 1 5 1 3 1 3 1 6 1 3 1 0 1 8 1 1 |
| mployer ID Number [9]8]0]0]5 rimary Standard Industrial Classification (SIC) Code [3] ther SIC Code [4] ther SIC Code [4] | 5 3 3 6 3 0 8 1 1 1 A 1 1 1 |
| rimary Standard Industrial Classification (SIC) Code | |
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| | [] <u>A</u>]_]] |
| ompany Headquarters Identification | |
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| ame $[\underline{A}]\underline{U}\underline{T}\underline{D}\underline{M}\underline{O}\underline{T}\underline{I}\underline{I}\underline{V}\underline{E}\underline{I}\underline{I}\underline{N}\underline{D}\underline{U}\underline{S}\underline{T}\underline{R}\underline{I}\underline{E}\underline{S}\underline{I}\underline{I}$ | IlNlcl_ |
| ddress [E]] Q] U] E] E] N]] S] T]]]]]]]]]]]]]]] | |
| [S]T]R]A]S]B]U]R]G]]]]]]]]]]]]]]]]]]]]]]]]]]] | 1111 |
| $ \begin{bmatrix} \overline{V} \\ \overline{A} \end{bmatrix} \qquad \begin{bmatrix} \overline{2} \\ \overline{2} \end{bmatrix} \\ \overline{S} \text{ tate} \qquad \begin{bmatrix} \overline{2} \\ \overline{2} \end{bmatrix} \\ \overline{Z} \text{ ip} $ | 111 |
| un & Bradstreet Number $\dots [\overline{0}]\overline{0}]-[\overline{5}]\overline{3}]\overline{5}]-[\overline{5}]$ | <u>3]7]2]6</u>] |
| mployer ID Number9. $[8]0]0]5]$ | 31316181 |
| | |
| | |
| | |
| | & Bradstreet Number $$ |

| 1.11 | Parent Company Identification |
|-------------|--|
| <u>CBI</u> | Name [R]E]D]P]A]T]H]] I N]D U S T R I E S L T D J J J Address [P]O]] B O X J O O Y A L B A N K P L A Z Street |
| | [T]O]R]O]N]T]O]]O]N]T]A]R]I]O]]C]A]N]A]D]A]] |
| | ONTARIO $[\underline{}] \underline{}]$ $[\underline{\underline{M}}] \underline{\underline{J}}] \underline{\underline{J}}] \underline{\underline{J}}] - [\underline{\underline{J}}] \underline{\underline{J}}] \underline{\underline{J}}]$ CANADA State |
| | Dun & Bradstreet Number |
| 1.12 | Technical Contact |
| (<u></u>] | Name [R] I] C] K]] S] I] M] O] N] E] T] T] I]]]]]]]]]]]]]]]] |
| | [S]T]R]A]S]B]U]R]G]]]]]]]]]]]]]]]]]]]]]]]]]]]]]] |
| | [v]A] [2]2]6]5]7][]] State Zip Telephone Number [7]0]3]-[4]6]5]-[3]7]4]1 |
| 1.13 | This reporting year is from |
| | Mark (X) this box if you attach a continuation sheet. |

| 1.14 | Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller: |
|-------------------|---|
| | $\left(N/A\right)$ |
| CBI | Name of Seller [_]_]_]_]_]_]_]_]_]_]_]_] |
| [_] | Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]]]]]] |
| | [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_] [_]_]]]]]]]]]] |
| | Employer ID Number |
| | Date of Sale |
| | Contact Person [_]_]_]_]_]_]_]_]_]]]]]]]]]]]]] |
| | Telephone Number |
| | |
| 1.15 | Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer: |
| <u>CBI</u> | Name of Buyer [_]_]_]_]_]_]_]_]_]]]]]]]]]]]]]]]]]]]] |
| [_] | Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_] [_]_][_]_]_] State Zip |
| | Employer ID Number |
| | Date of Purchase |
| | Contact Person [_]_]_]_]_]_]_]_]_]_]_]_] |
| | Telephone Number |
| | |
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| _[—, , | Mark (X) this box if you attach a continuation sheet. |
| r—' , | iaik (h) this box if you attach a continuation sheet. |

| L.16 CBI | For each classification listed below, state the quantity of the lister was manufactured, imported, or processed at your facility during the | reporting year. |
|-------------|---|------------------|
| <u></u> 1 | Classification | Quantity (kg/yr) |
| | Manufactured | . <u>N/A</u> |
| | Imported | · N/A |
| | Processed (include quantity repackaged) | . 70,987 |
| | Of that quantity manufactured or imported, report that quantity: | |
| | In storage at the beginning of the reporting year | · _ N/A |
| | For on-site use or processing | . N/A |
| | For direct commercial distribution (including export) | · N/A |
| | In storage at the end of the reporting year | . N/A |
| | Of that quantity processed, report that quantity: | |
| | In storage at the beginning of the reporting year | · <u>4082</u> |
| | Processed as a reactant (chemical producer) | . N/A |
| | Processed as a formulation component (mixture producer) | ·N/A |
| | Processed as an article component (article producer) | 70,987 |
| | Repackaged (including export) | N/A |
| | In storage at the end of the reporting year | · <u>4,491</u> |
| | | |
| | | |

[[] $_$] Mark (X) this box if you attach a continuation sheet.

| 17 <u>I</u> | Mixture If the listed substor a component of a mixture, p chemical. (If the mixture comeach component chemical for al | rovide the following infor position is variable, repo | rmation for each component |
|----------------|---|--|---|
| _} | Component Name | Supplier Name | Average % Composition by Weight (specify precision, e.g., 45% ± 0.5%) |
| | | | |
| | | | Total 100% |
| | | | |
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| 2.04 | State the quantity of the listed substance that your facility manufactured, imported, or processed during the 3 corporate fiscal years preceding the reporting year in descending order. |
|--------------------------|--|
| <u>CBI</u> | |
| [_] | Year ending $[\overline{0}]\overline{9}$ $[\overline{8}]\overline{7}$ Mo. Year |
| | Quantity manufactured N/A kg |
| | Quantity imported N/A kg |
| | Quantity processed |
| | Year ending $[0]9$ $[8]6$ $[8]6$ $[8]6$ |
| | Quantity manufactured |
| | Quantity imported N/A kg |
| | Quantity processed |
| • | Year ending $[\overline{0}] \overline{9}] [\overline{8}] \overline{5}]$ Mo. Year |
| | Quantity manufactured |
| | Quantity imported N/A kg |
| | Quantity processed |
| 2.05 <u>CBI</u> [] | Specify the manner in which you manufactured the listed substance. Circle all appropriate process types. Online Continuous process |
| <u></u> | Mark (X) this box if you attach a continuation sheet. |

| 2.06 CBI | Specify the manner in appropriate process ty | | the listed substance. | Circle all | |
|-------------|--|--------------------------------|---------------------------------------|---|-------|
| [_] | Continuous process | | | | 1 |
| | • | | | | |
| | Semicontinuous process | | | | _ |
| | Batch process | | | • | 3 |
| 2.07 CBI | State your facility's substance. (If you ar question.) | | | | |
| [_] | Manufacturing capacity | | · · · · · · · · · · · · · · · · · · · | N/A | kg/yr |
| | Processing capacity . | | | IIK | kg/yr |
| | and the second s | | - | | |
| 2.08 CBI | If you intend to incremanufactured, imported year, estimate the inconstruction. | , or processed at any | time after your curr | ent corporate | |
| [_] | | Manufacturing Quantity (kg) | Importing Quantity (kg) | Proces Quantit | |
| | Amount of increase | N/A | | | |
| | Amount of decrease | N/A | | | |
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| [_] | Mark (X) this box if y | ou attach a continuat | ion sheet. | | |

| 2.09 | listed substance substance during | argest volume manufacturing or processing proces e, specify the number of days you manufactured of g the reporting year. Also specify the average s type was operated. (If only one or two opera | or processed number of h | the listed ours per |
|---------------------------|--|---|-----------------------------|------------------------|
| <u>CBI</u> | | | | Average Hours/Day |
| | Process Type #1 | (The process type involving the largest quantity of the listed substance.) | | |
| | | Manufactured | N/A | N/A |
| | | Processed | 260 | 8 |
| | Process Type #2 | (The process type involving the 2nd largest quantity of the listed substance.) | | |
| | | Manufactured | N/A | N/A |
| | | Processed | N/A_ | N/A |
| | Process Type #3 | (The process type involving the 3rd largest quantity of the listed substance.) | | |
| | | Manufactured | N/A | N/A |
| | | Processed | N/A | N/A |
| 2.10 <u>CBI</u> [_] | substance that chemical. Maximum daily in | um daily inventory and average monthly inventor was stored on-site during the reporting year in inventory | the form of | ted a bulk kg |
| | Mark (X) this b | ox if you attach a continuation sheet. | | |

| _} | introduced intet.). | to the product (e.g., | carryover from raw | material, reaction | on product, Source of By- |
|----|---------------------|-----------------------|---|---|-------------------------------------|
| | CAS No. | Chemical Name | Byproduct, Coproduct or Impurity ¹ | Concentration (%) (specify ± % precision) | products, Coproducts, or Impurities |
| | (N/A) | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| "Use the following codes to designate product types: A = Solvent | t1 | the instructions for furt | her explanation a | nd a | n example.) | d. |
|---|----|---|--|---|--|---|
| "Use the following codes to designate product types: A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent C = Cleanser/Detergent/Degreaser G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant V = Rheological modifier K = Coating/Binder/Adhesive and additives V = Metal alloy and additives V = Rheological modifier | | | Manufactured, Imported, or | | Used Captively | Type of End-Users ² |
| A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives L = Moldable/Castable/Rubber and additive M = Plasticizer N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives U = Functional fluids and additives U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier V = Rheological modifier V = Rheological modifier CS = Consumer L = Moldable/Castable/Rubber and additive N = Plasticizer N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals T = Explosive chemicals and additives U = Functional fluids and additives U = Functional fluids and additives U = Rheological modifier CS = Consumer | | В | 100% | <u>.</u> | 100% | I |
| A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives L = Moldable/Castable/Rubber and additive M = Plasticizer N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives U = Functional fluids and additives U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier W = Rheological modifier V = Rheological modifier CS = Consumer L = Moldable/Castable/Rubber and additive N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals T = Explosive chemicals T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier CS = Consumer | | | | | | |
| A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives L = Moldable/Castable/Rubber and additive M = Plasticizer N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives U = Functional fluids and additives U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier W = Rheological modifier V = Rheological modifier CS = Consumer L = Moldable/Castable/Rubber and additive N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals T = Explosive chemicals T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier CS = Consumer | | | | - | | |
| A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives L = Moldable/Castable/Rubber and additive M = Plasticizer N = Plasticizer O = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives U = Functional fluids and additives U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier W = Rheological modifier V = Rheological modifier CS = Consumer L = Moldable/Castable/Rubber and additive N = Plasticizer O = Photographic/Reprographic chemicals and additives P = Electrodeposition/Plating chemicals T = Explosive chemicals and additives U = Functional fluids and additives U = Functional fluids and additives U = Rheological modifier CS = Consumer | | | | | | |
| B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent C = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives M = Plasticizer N = Dye/Pigment/Colorant/Ink and additive n = Dye/Pigment/Colorant/Ink and additive n = Dye/Pigment/Colorant/Ink and additive n = Photographic/Reprographic chemical and additives P = Electrodeposition/Plating chemicals R = Explosive chemicals and additives S = Fragrance/Flavor chemicals T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier W = Rheological modifier V = Rheological modifier | | - | to designate prod | | | e/Rubber and additives |
| I = Industrial | | B = Synthetic reactant C = Catalyst/Initiator/A | /Scavenger/ equestrant egreaser odifier/Antiwear r ive and additives | M = N = O = O = O = O = O = O = O = O = O | Plasticizer Dye/Pigment/Colo Photographic/Rep and additives Electrodepositio Fuel and fuel ad Explosive chemic Fragrance/Flavor Pollution contro Functional fluid Metal alloy and Rheological modi Other (specify) | rant/Ink and additives rographic chemical n/Plating chemicals ditives als and additives chemicals l chemicals s and additives additives |
| | | | | | | |
| on = commercial in = other (specify) | | <pre>1 = Industrial CM = Commercial</pre> | | | | |

| <u>CBI</u> | corporate fiscal year. import, or process for substance used during used captively on-site types of end-users for explanation and an exa | each use as a perce the reporting year. as a percentage of each product type. | entage Alse the | e of the total vo o list the quanti value listed unde | lume of listed ty of listed substanc r column b., and the |
|------------|--|--|-------------------------------------|--|--|
| (| N/A a. | b. | | с. | d. |
| (| Product Types ¹ | % of Quantity Manufactured, Imported, or Processed | <u> </u> | % of Quantity Used Captively On-Site | Type of End-Users ² |
| | | | _ · | | |
| | | | | | |
| | ¹ Use the following cod A = Solvent B = Synthetic reactan C = Catalyst/Initiato | t | L = M = N = | Moldable/Castable Plasticizer Dye/Pigment/Color | e/Rubber and additives |
| | Sensitizer D = Inhibitor/Stabili Antioxidant E = Analytical reagen F = Chelator/Coagulan G = Cleanser/Detergen H = Lubricant/Frictio agent I = Surfactant/Emulsi | t t/Sequestrant t/Degreaser n modifier/Antiwear | P = Q = R = S = T = U = V = | and additives Electrodeposition Fuel and fuel add Explosive chemica Fragrance/Flavor Pollution control Functional fluids Metal alloy and a | rographic chemical n/Plating chemicals ditives als and additives chemicals chemicals s and additives additives |
| | Sensitizer D = Inhibitor/Stabili Antioxidant E = Analytical reagen F = Chelator/Coagulan G = Cleanser/Detergen H = Lubricant/Frictio agent I = Surfactant/Emulsi J = Flame retardant K = Coating/Binder/Ad | t t/Sequestrant t/Degreaser n modifier/Antiwear fier hesive and additives | P = Q = R = S = T = U = V = X = X = | and additives Electrodeposition Fuel and fuel add Explosive chemica Fragrance/Flavor Pollution control Functional fluids Metal alloy and a Rheological modif Other (specify) | rographic chemical n/Plating chemicals ditives als and additives chemicals chemicals s and additives additives |
| | Sensitizer D = Inhibitor/Stabili Antioxidant E = Analytical reagen F = Chelator/Coagulan G = Cleanser/Detergen H = Lubricant/Frictio agent I = Surfactant/Emulsi J = Flame retardant | t t/Sequestrant t/Degreaser n modifier/Antiwear fier hesive and additives | P = Q = R = S = T = U = V = X = X = | and additives Electrodeposition Fuel and fuel add Explosive chemica Fragrance/Flavor Pollution control Functional fluids Metal alloy and a Rheological modif Other (specify) | rographic chemical n/Plating chemicals ditives als and additives chemicals chemicals s and additives additives |

| a. | b. | c. Average % Composition of | d. |
|--|---|--|--------------------------------|
| Product Type ¹ | Final Product's Physical Form ² | Listed Substance in Final Product | Type of End-Users ³ |
| | | | |
| | | | |
| | | | |
| ¹ Use the following co A = Solvent | odes to designate pro | oduct types: L = Moldable/Castable | e/Rubber and additi |
| <pre>B = Synthetic reacta C = Catalyst/Initia</pre> | | <pre>M = Plasticizer N = Dye/Pigment/Color</pre> | cant/Ink and additi |
| Sensitizer D = Inhibitor/Stabil Antioxidant | lizer/Scavenger/ | <pre>0 = Photographic/Repr and additives P = Electrodeposition</pre> | |
| E = Analytical reage F = Chelator/Coagula | | Q = Fuel and fuel add R = Explosive chemica | litives |
| <pre>G = Cleanser/Deterge H = Lubricant/Friction</pre> | | <pre>S = Fragrance/Flavor T = Pollution control</pre> | chemicals chemicals |
| agent I = Surfactant/Emuls | sifier | <pre>U = Functional fluids V = Metal alloy and a</pre> | |
| <pre>J = Flame retardant K = Coating/Binder/A</pre> | Adhesive and additive | <pre>W = Rheological modifies X = Other (specify)</pre> | ier |
| ² Use the following co | odes to designate the | e final product's physic | cal form: |
| A = Gas | F2 = Cry F3 = Gra | stalline solid | |
| B = Liquid C = Aqueous solution | | anures ner solid | |
| D = Paste | G = Ge | | |
| E = Slurry F1 = Powder | H = Oth | ner (specify) | |
| ³ Use the following co | odes to designate the | e type of end-users: | |
| <pre>I = Industrial CM = Commercial</pre> | CS = Cor H = Oth | nsumer ner (specify) | |
| | | - | |

| 2.15 CBI | | e all applicable modes of transportation used to deliver bulk shipments of deliver to off-site customers. | the |
|-------------|-------|--|---------|
| [_] | Truck | | 1 |
| N/A | Railc | ar | 2 |
| | Barge | , Vessel | 3 |
| | Pipel | ine | 4 |
| | Plane | · · · · · · · · · · · · · · · · · · · | 5 |
| | 0ther | (specify) | 6 |
| 2.16 CBI | or pr | mer Use Estimate the quantity of the listed substance used by your cust epared by your customers during the reporting year for use under each cated use listed (i-iv). | |
| | Categ | ory of End Use | |
| N/A | i. | Industrial Products | |
| | | Chemical or mixture | kg/yr |
| | | Article | _ kg/yı |
| | ii. | Commercial Products | |
| | | Chemical or mixture | kg/yr |
| | | Article | _kg/yr |
| | iii. | Consumer Products | |
| | | Chemical or mixture | _ kg/yı |
| | | Article | kg/yı |
| | iv. | <u>Other</u> | |
| | | Distribution (excluding export) | kg/yı |
| | | Export | kg/yr |
| | | Quantity of substance consumed as reactant | kg/yr |
| | | Unknown customer uses | |
| | | | |
| | | | |
| [_] | Mark | (X) this box if you attach a continuation sheet. | |
| | | | |

| PART | A GENERAL DATA | | |
|-------------|--|---|--------------------------|
| 3.01 CBI | Specify the quantity purchased and the average price for each major source of supply listed. Product trad. The average price is the market value of the product substance. | es are treated as | s purchases. |
| [_] | Source of Supply | Quantity (kg) | Average Price (\$/kg) |
| | The listed substance was manufactured on-site. | N/A | N/A |
| | The listed substance was transferred from a different company site. | N/A | N/A |
| | The listed substance was purchased directly from a manufacturer or importer. | 70,987 | \$1.32/LB |
| | The listed substance was purchased from a distributor or repackager. | N/A | N/A |
| | The listed substance was purchased from a mixture producer. | N/A | N/A |
| 3.02 CBI | Circle all applicable modes of transportation used to your facility. | deliver the list | ted substance to |
| [_] | Truck | • | |
| | Railcar | | 2 |
| | Barge, Vessel | | 3 |
| | Pipeline | • | 4 |
| | Plane | | 5 |
| | Other (specify) | • | 6 |
| | Mark (X) this box if you attach a continuation sheet. | | |

| 3.03 CBI | a. | Circle all applicable containers used to transport the listed substance to you facility. | ır |
|-------------|-----|--|------|
| [_] | | Bags | . 1 |
| | | Boxes | |
| | | | |
| | | Free standing tank cylinders | |
| | | Tank rail cars | |
| | | Hopper cars | |
| | | Tank trucks | |
| | | Hopper trucks | - |
| | | Drums | (8 |
| | | Pipeline | 9 |
| | | Other (specify) | 10 |
| | b. | If the listed substance is transported in pressurized tank cylinders, tank raicars, or tank trucks, state the pressure of the tanks. | |
| | | Tank cylinders N/A | nmHg |
| | | Tank rail cars N/A r | nmHg |
| | | Tank trucks N/A r | mmHg |
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| | Mar | rk (X) this box if you attach a continuation sheet. | |
| | | | |

| of the mixture, the n | ame of its supplier(s sition by weight of t | form of a mixture, list the) or manufacturer(s), an est he listed substance in the morting year. | imate of the |
|-----------------------|--|---|--------------------------------|
| Trade Name | Supplier or <u>Manufacturer</u> | Average % Composition by Weight (specify <u>+</u> % precision) | Amount Processed (kg/yr) |
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |
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| 3.05 CBI [_] | reporting year in the for | listed substance used as a m of a class I chemical, cla by weight, of the listed sub | ss II chemical, or polymer, and |
|--------------------|---------------------------|--|--|
| (<u> </u> | | Quantity Used (kg/yr) | $\%$ Composition by Weight of Listed Substance in Raw Material (specify \pm $\%$ precision |
| | Class I chemical | 10,987 KG | 100% |
| | | | |
| | Class II chemical | N/A | N/A |
| | | N/A | N/A |
| | | N/A | N/A |
| | Polymer | N/A | N/A |
| | | N/A | N/A |
| | | N/A | N/A |
| | | | |
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| | SEC | TION 4 PHYSICAL/CHEM | ICAL PROPERTIES | |
|---|--|---|--|---|
| Gener | al Instructions: | | | |
| If you | ou are reporting on a mix It are inappropriate to m | ture as defined in th ixtures by stating "N | e glossary, reply to q NA mixture." | uestions in Section |
| notio | uestions 4.06-4.15, if y e that addresses the inf mile in lieu of answerin | ormation requested, y | ou may submit a copy o | bel, MSDS, or other r reasonable |
| PART | A PHYSICAL/CHEMICAL DAT | A SUMMARY | The state of the s | |
| 4.01 Specify the percent purity for the the substance as it is manufactured, import substance in the final product form for import the substance, or at the point | | factured, imported, o product form for manu | or processed. Measure ifacturing activities, | the purity of the at the time you |
| [_] | | Manufacture | Import | Process |
| | Technical grade #1 | N/A % purity | N/A % purity | <u>100</u> % purity |
| | Technical grade #2 | <u>N/A</u> % purity | <u>N/A</u> % purity | N/A% purity |
| | Technical grade #3 | N/A % purity | N/A % purity | <u>N/A</u> % purity |
| | ¹ Major = Greatest quant | ity of listed substan | ice manufactured, impor | ted or processed. |
| | | | | N 6 Al 14 - A - 1 |
| 4.02 | Submit your most recent substance, and for ever an MSDS that you develo version. Indicate whet appropriate response. | y formulation contain ped and an MSDS devel | ing the listed substan | ce. If you possess urce, submit your |
| 4.02 | substance, and for ever an MSDS that you develo version. Indicate whet | y formulation contain ped and an MSDS devel her at least one MSDS | ning the listed substan oped by a different so s has been submitted by | ce. If you possess urce, submit your circling the |
| 4.02 | substance, and for ever an MSDS that you develo version. Indicate whet appropriate response. | y formulation contain ped and an MSDS devel her at least one MSDS | ning the listed substant oped by a different so has been submitted by | ce. If you possess urce, submit your circling the |
| 4.02 | substance, and for ever an MSDS that you develo version. Indicate whet appropriate response. Yes | y formulation contain ped and an MSDS devel her at least one MSDS | ning the listed substant oped by a different so has been submitted by | ce. If you possess urce, submit your circling the |
| 4.02 | substance, and for ever an MSDS that you develo version. Indicate whet appropriate response. Yes | y formulation contain ped and an MSDS devel her at least one MSDS | aing the listed substant oped by a different so is has been submitted by | ce. If you possess urce, submit your circling the |

 $[\]$ Mark (X) this box if you attach a continuation sheet.

| *** | |
|------------|--|
| 4.03 | Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response. |
| | Yes 1 |
| | No |
| 4.04 | For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for |
| <u>CBI</u> | manufacturing, storage, disposal and transport activities are determined using the |

| | | Phy | sical State | | |
|-------------|-------|--------|-------------|------------------|-----|
| Activity | Solid | Slurry | Liquid | Liquified Gas | Gas |
| Manufacture | 1 | 2 | 3 | 4 | 5 |
| Import | 1 | 2 | 3 | 4 | 5 |
| Process | 1 | 2 | 3 | 4 | 5 |
| Store | 1 | 2 | 3 | 4 | 5 |
| Dispose | 1 | 2 | 3 | 4 | 5 |
| Transport | 1 | 2 | 3 | 4 | 5 |

[] Mark (X) this box if you attach a continuation sheet.

final state of the product.

| <u>CBI</u> [] | importing listed su storage, | s ≥10 microns in dia g and processing act ubstance. Measure t disposal and transp | ivities at the he physical st | time yo ate and | ou import particle | or begi | n to proc or manufa | ess the cturing |
|---------------|------------------------------------|--|--|--------------------|-----------------------|-------------|------------------------|--------------------|
| | Physical State | | Manufacture | Import | Process | Store | Dispose | Transport |
| | Dust | <1 micron | | | | | | |
| | | 1 to <5 microns | ************************************** | | | | | |
| | | 5 to <10 microns | | | | | | |
| | Powder | <1 micron | | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | | |
| | Fiber | <1 micron | | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | | |
| | Aerosol | <1 micron | | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

| | dicate the rate constants for the following tra | ansformation processes. | |
|----|---|-------------------------|--------------|
| a. | Photolysis: (UK) Absorption spectrum coefficient (peak) | (1/M cm) at | |
| | Reaction quantum yield, 6 | | |
| | Direct photolysis rate constant, k _p , at | | |
| b. | Oxidation constants at 25°C: (UK) | | |
| | For ¹ 0 ₂ (singlet oxygen), k _{ox} | | |
| | For RO ₂ (peroxy radical), k _{ox} | | |
| c. | Five-day biochemical oxygen demand, BOD ₅ | UK | |
| d. | Biotransformation rate constant: UK | | |
| | For bacterial transformation in water, k_b | | |
| | Specify culture | | |
| e. | Hydrolysis rate constants: UK | | |
| | For base-promoted process, k_B | | |
| | For acid-promoted process, k_A | | |
| | For neutral process, $k_{_{\rm N}}$ | | |
| f. | Chemical reduction rate (specify conditions) | UK | |
| g. | Other (such as spontaneous degradation) | UK | |

| _] | Mark (X) | this | box | if yo | ıattach | а | continuation | sheet. |
|----|----------|------|-----|-------|---------|---|--------------|--------|
|----|----------|------|-----|-------|---------|---|--------------|--------|

| PART | В | PARTITI | ON COEFFICIENT | S | | | |
|------------|-----|-----------|---------------------------------------|--------------|-------------|--|---|
| 5.02 | a. | Speci | fy the half-li | fe of the l | isted subs | tance in the following | ng media. |
| | | Med | <u>ia</u> | | | Half-life (specif | y units) |
| | | Groun | dwater | | UK | | |
| | | Atmos | | | UK | and the state of t | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| | | | ce water | | UK | | |
| | | Soil | | | UK | | |
| | ъ. | Ident | ify the listed greater than 2 | | | ansformation products | that have a half- |
| | | (UK) | CAS No. | <u>!</u> | Name | Half-life (specify units) | <u>Media</u> |
| | | | | | | | in |
| | | | | | | | in |
| | | | | | 31. ar/ | | in |
| | | | | | | | in |
| 5.03 | Spe | ecify t | he octanol-wat | er partition | n coefficio | ent, K _{ow} | at 25°C |
| UK | Me | thod of | calculation o | r determina | tion | | |
| 5.04 UK | | | | | | , K _a | |
| 5.05 ŪK | Spe | ecify the | he organic car nt, K _{oc} | bon-water pa | artition | | at 25°C |
| 5.06 UK | Spe | ecify t | he Henry's Law | Constant, F | i | | atm-m³/mole |
| [_] | Maı | ck (X) | this box if you | ı attach a c | continuatio | on sheet. | |

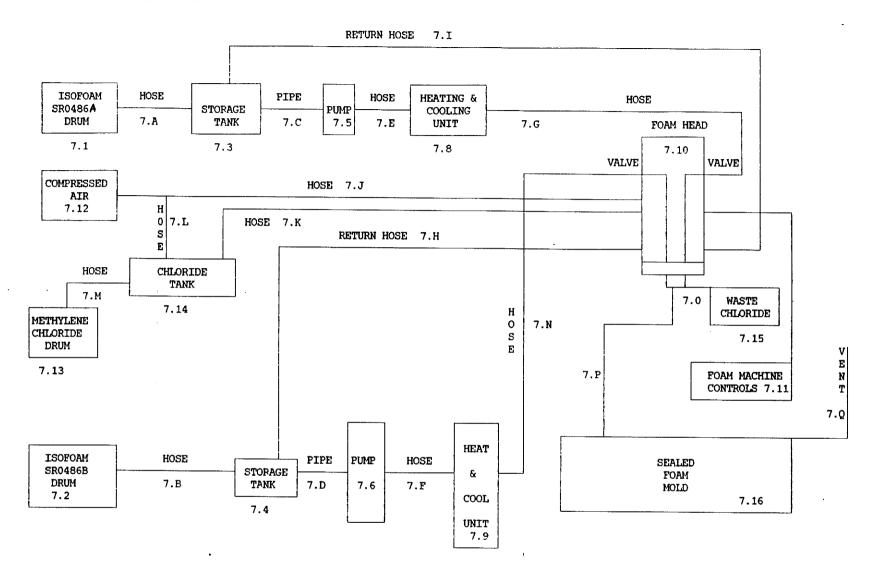
| Bioconcentration Factor | Species | $\frac{\mathtt{Test}^1}{}$ |
|---|--------------------------|----------------------------|
| | | |
| | | |
| ¹ Use the following codes to des | ignate the type of test: | |
| F = Flowthrough S = Static | | |
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| 6.04 CBI | For each market listed below, state the the listed substance sold or transferm | | | | | | |
|-----------------|---|---|------------------------------|--|--|--|--|
| (<u></u>) | Market | Quantity Sold or Transferred (kg/yr) | Total Sales Value (\$/yr) | | | | |
| | Retail sales | | | | | | |
| | Distribution Wholesalers | | | | | | |
| | Distribution Retailers | | | | | | |
| | | | | | | | |
| | Intra-company transfer | | | | | | |
| | Repackagers | | | | | | |
| | Mixture producers | | | | | | |
| | Article producers | | | | | | |
| | Other chemical manufacturers or processors | | | | | | |
| | Exporters | | | | | | |
| | Other (specify) | | | | | | |
| | | | | | | | |
| 6.05 <u>CBI</u> | Substitutes List all known commercially feasible substitutes that you know exist for the listed substance and state the cost of each substitute. A commercially feasible substitute is one which is economically and technologically feasible to use in your current operation, and which results in a final product with comparable performance in its end uses. | | | | | | |
| [_] | Substitute | | Cost (\$/kg) | | | | |
| | UK | | | | | | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| [_] | Mark (X) this box if you attach a cont | inuation sheet. | | | | | |

| | SECTION 7 MANUFACTURING AND PROCESSING INFORMATION |
|-------------|---|
| Gener | ral Instructions: |
| provi | questions 7.04-7.06, provide a separate response for each process block flow diagram ided in questions 7.01, 7.02, and 7.03. Identify the process type from which the rmation is extracted. |
| PART | A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION |
| 7.01 CBI | In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance. |
| [_] | Process type FOAM PROCESS |

SEE ATTACHED

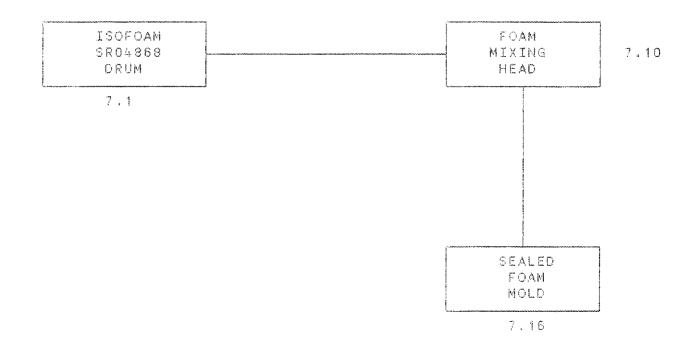
 $[\overline{\underline{x}}]$ Mark (X) this box if you attach a continuation sheet.



| 7.03 | process emission streams which, if combined, would treated before emission from one process type, p for question 7.01. If a | nstructions, provide a process block flow diagram showing all and emission points that contain the listed substance and d total at least 90 percent of all facility emissions if not into the environment. If all such emissions are released rovide a process block flow diagram using the instructions ll such emissions are released from more than one process block flow diagram showing each process type as a separate |
|------|---|---|
| [_] | Process type | FOAM PROCESS |

SEE ATTACHED

 $[\overline{\underline{x}}]$ Mark (X) this box if you attach a continuation sheet.



Describe the typical equipment types for each unit operation identified in your 7.04 process block flow diagram(s). If a process block flow diagram is provided for more than one process type, photocopy this question and complete it separately for each process type. CBI Process type FOAM PROCESS Operating Unit Pressure Operating Operation Typical Vessel Temperature Range ID Equipment Range (°C) Composition (mm Hg) Number Type ATMOSPHERIC 7.3 STORAGE TANKS 21.1 STAINLESS CARBON STEEL AMBIENT 1748 7.5 PUMP ATMOSPHERIC STAINLESS 7.8 HEAT & COOL TANK 33.3 7.10 MIXING HEAD 33.3 1748 CARBON STEEL 4653 CARBON STEEL 7.12 COMPRESS AIR TANK AMBIENT ATMOSPHERIC CAST CHLORIDE TANK 21.1 7.14 ATMOSPHERIC 21.1 STAINLESS 7.4 STORAGE TANK 1748 CARBON STEEL AMBIENT 7.6 PUMP

33.3

ATMOSPHERIC

STAINLESS

HEAT & COOL TANK

7.9

^[] Mark (X) this box if you attach a continuation sheet.

| 7.05 | process block f | rocess stream identified in your low diagram is provided for more mplete it separately for each pr | e than one process type | iagram(s). If a e, photocopy this |
|------|--|--|----------------------------------|--------------------------------------|
| CBI | | | | |
| [_] | Process type | FOAM PROCESS | | |
| | Process Stream ID Code | Process Stream Description | Physical State ¹ | Stream Flow (kg/yr) |
| | 7A | FEED HOSE | OL | UK |
| | 7C | SUPPLY PIPE | OL | UK |
| | 7E | SUPPLY HOSE | OL | UK |
| | 7G | MIXING HEAD SUPPLY HOSE | OL | UK |
| | 71 | MIXING HEAD RETURN HOSE | <u> </u> | UK |
| | 7B | FEED HOSE | OL | <u>UK</u> |
| | 7D | SUPPLY PIPE | OL | UK |
| | 7F 7GG | SUPPLY HOSE MIXING HEAD SUPPLY HOSE | OL | UK UK |
| | GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l OL = Organic l | iquid | and pressure) e and pressure) | |

| <u>CBI</u> | this question | block flow diagram is pon and complete it separa for further explanation | tely for each pr | rocess type. | (Refer to the |
|------------|------------------------------|--|--|---|---|
| [_] | Process type | FOAM PROCES | S | *************************************** | |
| | a. | b. | c. | d. | е. |
| | Process Stream ID Code | Known Compounds ¹ | Concentrations ^{2,3} (% or ppm) | Other Expected Compounds | Estimated Concentrations (% or ppm) |
| | 7A, 7C, 7E | ISOFOAM SRO486A | 100% (E)W) | N/A | N/A |
| | 7G, 7I | (TDI POLYETHER | | | *************************************** |
| | | POLYOLPROPOLYNE) | | | |
| | 7B, 7D, 7F | ISOFOAM SR486B | 100% (E)(W) | N/A | N/A |
| | | (PERCTIVE POLYETHER | | | |
| | | POLYOL BLEND) | | | |
| | 7K, 7N | METHYLENE CHLORIDE | 100% (A)(W) | N/A | N/A |
| | 7J, 7L | AIR | | N/A | N/A |
| 7.06 | continued be | | | | |
| 7.00 | 70 | METHYLENE CHLORIDE | 99% (E)(W) | N/A | N/A |
| | | POLYURETHANE FOAM | 1% (E(W) | N/A | N/A |
| | 7P | POLYURETHANE FOAM | 100% (E)(W) | N/A | N/A |
| | 7Q | CARBON DIOXIDE | UK | N/A | N/A |
| | | TDI VAPORS | UK | N/A | N/A |
| | | AIR | 99+ (E)(V) | N/A | N/A |

| _ | | instructions for further expla the definition of additive pa | ackage.) |
|--------------------------------|-------------|---|--------------------------|
| Additive Package Number | | Components of Additive Package | Concentration (% or ppm) |
| 1 | | N/A | |
| | | | |
| 2 | | | |
| | | | |
| 3 | | | |
| | | | |
| | | · | |
| 4 | | | |
| | | | |
| 5 | | | |
| | | | |
| ² Use the following | ng codes to | designate how the concentrat | ion was determined: |
| A = Analytical : | result | calculation | |

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| PART A | RESIDUAL TREATMENT PROCESS DESCRIPTION |
|--------|--|
| 8.01 | In accordance with the instructions, provide a residual treatment block flow diagram which describes the treatment process used for residuals identified in question 7.01. |
| CBI | |
| [_] | Process type |



 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| <u>CBI</u> | process | type, photo | copy this que e instruction | estion and co | low diagram is mplete it separ r explanation a | rately for ea | ch process |
|------------|----------------|----------------------------|---|---------------------------------------|--|--------------------------------------|--|
| [_] | Process | type | (N/A) | | | | |
| | Stream ID Code | b. Type of Hazardous Waste | Physical State of Residual ² | d. Known Compounds ³ | Concentra- tions (% or ppm) 4,5,6 | f. Other Expected Compounds | g. Estimated Concen- trations (% or ppm) |
| | (N | /A) | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 8.05 | continue | | | | | | |

| that are preser Assign an addit column d. (Ref | it in each a live package fer to the i | introduced into a process str dditive package, and the conc number to each additive pack nstructions for further expla | entration of each compone age and list this number nation and an example. |
|--|--|---|---|
| Refer to the gl | lossary for | the definition of additive pa Components of | ckage.) Concentrations |
| Package Number | | Additive Package | (% or ppm) |
| 1 | N/A) | | |
| | | | |
| 2 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| | | | |
| 5 | | | |
| | | | |
| | | | |
| ⁴ Use the following | ng codes to | designate how the concentrati | on was determined: |
| A = Analytical r E = Engineering | | alculation | |
| continued below | | | |

| .05 | (continued | 1) | | | | | | |
|-----|---|-------|---------------|--------------------------------|--|--|--|--|
| | ⁵ Use the following codes to designate how the concentration was measured: | | | | | | | |
| | <pre>V = Volume W = Weight</pre> | | | | | | | |
| | ⁶ Specify the analytical test methods used and their detection limits in the table below. Assign a code to each test method used and list those codes in column e. | | | | | | | |
| | <u>Code</u> | (N/A) | <u>Method</u> | Detection Lim (<u>t</u> ug/l) | | | | |
| | _1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | ***** | | | | | | |
| | | | | | | | | |
| | _5 | | | | | | | |
| | 6 | | | | | | | |
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| <u>.</u> | N/A | | | | | | | |
|----------|----------------------|------------------------------|---|-----------------------------------|--|-------------|------------------------------|---|
|] | Process | type | • • • | | | | | |
| | a. | b. | c. | d. | е. | | f. Costs for | g. |
| | Stream ID Code | Waste Description Code | Management Method Code ² | Residual Quantities (kg/yr) | Manageme of Residual On-Site Off | (%) | Off-Site Management (per kg) | Changes in Managemen Methods |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - |
| | | | - | | | | | |
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| | | | | A16. 46.14 (A17.) | | | | |
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| | | | | | | | | |
| | | - | | | lesignate the lesignate the | | | |

| CBI | your process l | | ustion amber | | tion of erature | | Residence Time In Combustion | |
|---------------------------|--|--|---|---|-------------------------------|--|---|--|
| | | | ture (°C) | | nitor | | (seconds) | |
| | Incinerator | Primary | Secondary | Primary | Secondary | Primary | Secondary | |
| | 1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | | | | | | | |
| | | | of Solid Wast ropriate resp | | s been submit | ted in lieu | of response | |
| | Yes | | | | | | | |
| | No | | | • • • • • • • • • • | | | 2 | |
| | | | | | | | | |
| 0 22 | Complete the | fallowing to | hle for the t | hree larges | t (by capacit | v) incinerat | tors that | |
| 8.23 <u>CBI</u> [_] | Complete the are used on-streatment block | ite to burn | the residuals ram(s). Air Po | s identified | t (by capacit in your proc | ess block of Types Emission | residual s of ns Data | |
| CBI | are used on-s | ite to burn | the residuals ram(s). Air Po Control | s identified ollution L Device ¹ | t (by capacit in your proc | eess block of Types Emission Avail | residual s of ns Data | |
| CBI | are used on-s treatment blo | ite to burn | the residuals ram(s). Air Po | s identified ollution L Device ¹ | t (by capacition in your proc | ess block of Types Emission | residual s of ns Data | |
| CBI | are used on-s treatment bloc Incinerator | ite to burn | the residuals ram(s). Air Po Control | s identified ollution L Device ¹ | t (by capacition in your proc | eess block of Types Emission Avail | residual s of ns Data | |
| CBI | are used on-streatment block Incinerator 1 | ite to burn | the residuals ram(s). Air Po Control | ollution Device A | t (by capacition in your proc | Types Emission Avail | residual s of ns Data | |
| CBI | Incinerator 1 2 3 Indicate by circ | ite to burn ck flow diag e if Office ling the app | the residuals ram(s). Air Po Control N/ N/ N/ of Solid Wast | ollution Device A A te survey had | in your prod | Types Emission Avail N/A N/A N/A | residual s of ns Data lable of response | |
| CBI | Incinerator 1 2 3 Indicate by circ. | ite to burn ck flow diag e if Office ling the app | the residuals ram(s). Air Po Control N/ N/ N/ of Solid Wast bropriate resp | ollution Device A A te survey had | in your proc | Types Emission Avail N/A N/A N/A ted in lieu | residual s of ns Data lable of response | |
| CBI | Incinerator 1 2 3 Indicate by circ. Yes | ite to burn ck flow diag e if Office ling the app | the residuals ram(s). Air Po Control N/ N/ N/ of Solid Wast | ollution Device A A te survey habonse. | in your proc | Types Emission Avai N/A N/A N/A N/A | of response | |
| CBI | Incinerator 1 2 3 Indicate by circ. Yes | ite to burn ck flow diag e if Office ling the app | Air Po Control N/ N/ N/ of Solid Wast ropriate resp | A A A A A A A A A A A A A A A A A A A | s been submit | Types Emission Avail N/A N/A N/A ted in lieu | of response | |

PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

9.01 Mark (X) the appropriate column to indicate whether your company maintains records on the following data elements for hourly and salaried workers. Specify for each data element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further explanation and an example.)

| Data Element | ata are Mai Hourly Workers | intained for Salaried Workers | Year in Which Data Collection Began | Number of Years Records Are Maintained |
|---|----------------------------------|-------------------------------------|-------------------------------------|--|
| Date of hire | X | X | 1977 | 12 |
| Age at hire | X | X | 1977 | 12 |
| Work history of individual before employment at your facility | N/A | N/A | N/A | N/A |
| Sex | X | X | 1977 | 12 |
| Race | X | X | 1977 | 12 |
| Job titles | X | X | 1977 | 12 |
| Start date for each job title | X | X | 1977 | 12 |
| End date for each job title | X | <u> </u> | 1977 | 12 |
| Work area industrial hygiene monitoring data | N/A | N/A | N/A | N/A |
| Personal employee monitoring data | N/A | N/A | N/A | N/A |
| Employee medical history | N/A_ | N/A | N/A | N/A |
| Employee smoking history | N/A | N/A | N/A | N/A |
| Accident history | X | <u> </u> | 1977 | 12 |
| Retirement date | X | X | 1977 | 12 |
| Termination date | X | X | 1977 | 12 |
| Vital status of retirees | N/A | N/A | N/A | N/A |
| Cause of death data | N/A | N/A | N/A | N/A |

| <u></u> | l Mark | (X) | this | box | if | you | attach | а | continuation | sheet |
|---------|--------|-----|------|-----|----|-----|--------|---|--------------|-------|
| | | | | | | | | | | |

In accordance with the instructions, complete the following table for each activity 9.02 in which you engage. CBI d. e. b. c. a. Total Total Yearly Quantity (kg) Workers Worker-Hours Process Category Activity N/AN/AN/AEnclosed Manufacture of the listed substance Controlled Release N/A N/A N/A 0pen N/A __N/A__ N/A Enclosed N/A N/A N/A On-site use as reactant Controlled Release 70,987 1040 0pen N/A N/A_ N/A Enclosed N/A N/A N/A On-site use as nonreactant Controlled Release N/A N/A N/A 0pen N/A N/A N/AOn-site preparation Enclosed N/A N/A N/A of products Controlled Release N/A N/A N/A 0pen N/A N/A N/A

[] Mark (X) this box if you attach a continuation sheet.

| abor Category A B C | Descriptive Job Title FOREMAN FOAM OPERATOR |
|------------------------|---|
| A B C | FOREMAN FOAM OPERATOR |
| ВС | FOAM OPERATOR |
| С | |
| | TOAK WITT DED |
| • | FOAM HELPER |
| D | DEPARTMENT MANAGER |
| E | INSPECTOR |
| F | MECHANIC |
| G | |
| Н | |
| I | |
| J | |
| | |
| | Н |

| 04 | In accordance with the i indicate associated work | instructions, provide your process block flow diagram(s) and areas. |
|----------|---|---|
| <u>I</u> | | |
| _] | Process type | FOAM PROCESS |
| | N/A | NO OTHER WORK AREAS - SEPARATE BUILDING |
| | | |
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| 9.05 Describe the various work area(s) shown in question 9.04 that encompass may potentially come in contact with or be exposed to the listed substar additional areas not shown in the process block flow diagram in question 7.02. Photocopy this question and complete it separately for each process type Vork Area ID | |
|---|-----------------------------------|
| Process type Work Area ID | bstance. Add any stion 7.01 or |
| Work Area ID Description of Work Areas and Worker Actions 1 N/A NO OTHER WORK AREAS 2 3 4 5 6 7 8 9 | |
| 1 N/A NO OTHER WORK AREAS 2 | |
| 2 3 4 5 6 7 8 9 | Activities |
| 3 4 5 6 7 8 9 | |
| 4 | |
| 5 6 7 8 | |
| 6 7 8 9 | |
| 7 8 9 | |
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| Process type | e | | | | |
|--|---|---|--|---|--------------------------------|
| Work area . | | | • • • • • • • | | |
| Labor Category | Number of Workers Exposed | Mode of Exposure (e.g., direct skin contact) | Physical State of Listed Substance | Average Length of Exposure Per Day ² | Number of Days per Year Expose |
| A | 1 | INHALATION | OL | A | 230 |
| B | 1 | INHALATION | OL | D | 230 |
| <u>C</u> | 1 | INHALATION | OL | D | 230 |
| D | 1 | INHALATION | OL | A | 52_ |
| E | 1 | INHALATION | OL | A | 52 |
| F | 1 | INHALATION | OL | D | 52 |
| | | | | | <u> </u> |
| | | | | | - |
| | | | | | |
| the point GC = Gas temp GU = Gas temp incl SO = Soli Use the fo A = 15 min | of exposure: (condensible at erature and pre) (uncondensible erature and pre) udes fumes, vand | essure) AL at ambient OL essure; IL cors, etc.) co designate average D tes, but not | = Sludge or s = Aqueous liques = Organic liques = Immiscible (specify phonon) 90% water, | lurry uid uid liquid ases, e.g., 10% toluene) osure per day: 2 hours, but | not |

| 9.07 <u>CBI</u> | Weighted Average (| egory represented in question 9.06 TWA) exposure levels and the 15-mi stion and complete it separately f | nute peak exposure levels. |
|--------------------|--------------------|--|---|
| [_] | Process type | •• | |
| | Work area | <u> </u> | |
| | Labor Category | 8-hour TWA Exposure Level (ppm, mg/m³, other-specify) | 15-Minute Peak Exposure Level (ppm, mg/m³, other-specify) |
| | N/A | NOT TESTED | N/A |
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| CBI | | | | | | | |
|-----|---|------------------------------|------------------------------------|------------------------------------|-----------------------------|-------------------------------|--|
| 1 | Sample/Test | Work Area ID | Testing Frequency (per year) | Number of Samples (per test) | Who Samples ¹ | Analyzed In-House (Y/N) | Number of Years Records Maintained |
| | Personal breathing zone | N/A | N/A | N/A | N/A | N/A | N/A |
| | General work area (air) | N/A | N/A | N/A | N/A | N/A | N/A |
| | Wipe samples | N/A | N/A | N/A | N/A | N/A | N/A |
| | Adhesive patches | N/A | N/A | N/A | N/A_ | N/A | N/A |
| | Blood samples | N/A | N/A | N/A | N/A | N/A | N/A |
| | Urine samples | N/A | N/A | N/A | N/A | N/A | N/A |
| | Respiratory samples | N/A | N/A | N/A | N/A | N/A | N/A |
| | Allergy tests | N/A | N/A | N/A | N/A | N/A | N/A |
| | Other (specify) | | | | | | |
| | N/A | | | | | • | |
| | Other (specify) | | | | | | |
| | N/A | | | | | | |
| | Other (specify) | | | | | | |
| | N/A | | | | | | |
| | ¹ Use the following of A = Plant industria B = Insurance carri C = OSHA consultant D = Other (specify) | odes to d l hygieni er | st | | | | |

|] | Sample Type | Sar | npling and Analyt: | ical Methodolo | gy |
|---------------|--|---|--|------------------------|----------------|
| | N/A | N/A | | | |
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| .0 | If you conduct perso specify the followin | nal and/or ambient a g information for ea | air monitoring for ach equipment type | r the listed s | substance, |
| <u>.</u> 1 | Equipment Type ¹ | Detection Limit ² | Manufacturer_ | Averaging Time (hr) | Model Numbe |
| ٠, | • | N/A | | N/A | N/A |
| | | | | | |
| | | | | | |
| | | | | | |
| | ¹ Use the following c | odes to designate p | ersonal air monit | oring equipmer | t types: |
| | <pre>A = Passive dosimet B = Detector tube C = Charcoal filtra D = Other (specify)</pre> | tion tube with pump | | | |
| | | odes to designate a | mbient air monito | ring equipment | types: |
| | <pre>F = Stationary moni G = Stationary moni</pre> | tors located within tors located within tors located at plan ng equipment (speci | facility nt boundary fy) | | |
| | ² Use the following of | | | its: | |
| | <pre>A = ppm B = Fibers/cubic ce C = Micrograms/cubi</pre> | | | | |
| | | | | | |

| <u>_</u> | | Frequency |
|----------|------------------|---------------------------------|
| _] | Test Description | (weekly, monthly, yearly, etc.) |
| | N/A | |
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| .12 | Describe the engineering con to the listed substance. Ph process type and work area. | trols that you otocopy this o | u use to reduce or e question and complet | eliminate wor e it separat | ker exposure ely for each |
|------------|--|----------------------------------|--|-------------------------------|------------------------------|
| BI | process type and work area. | | | | |
| <u>_</u>] | Process type | FOAM PROC | ESS | | |
| | Work area | | • | 1A | |
| | Engineering Controls | Used (Y/N) | Year Installed | Upgraded (Y/N) | Year Upgraded |
| | Ventilation: | | | | |
| | Local exhaust | <u>Y</u> | 1985 | N | N/A |
| | General dilution | NO | N/A | N/A | _N/A |
| | Other (specify) | | | | |
| | | N/A | | | |
| | Vessel emission controls | N/A | | - William | |
| | Mechanical loading or packaging equipment | N/A | | | |
| | Other (specify) | | | | |
| | | | | | |

 $[_]$ Mark (X) this box if you attach a continuation sheet.

| Describe all equipment or process modifications year to the reporting year that have resulted in the listed substance. For each equipment or process the percentage reduction in exposure that resulted complete it separately for each process type and the separately for each process type and the separately for each process type. | ess modification described, stard. Photocopy this question and |
|---|---|
| Process type FOAM PROCESS | |
| Work area | <u>1</u> A |
| Equipment or Process Modification | Reduction in Worke Exposure Per Year () |
| MOVED OPERATION INTO SEPARATE BUILDING 1984 | UK |
| HOVED OTERATION THIS SHIMMETH BUILDING TOO | UK |
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| 9.14 | Describe the person | VE AND SAFETY EQUIPMENT al protective and safety equipment order to reduce or eliminate py this question and complete | e their exposu | re to the listed |
|-------------------|---------------------|--|-------------------------|------------------|
| <u>CBI</u> [] | Process type | FOAM PROCESS | | |
| ٠' | | | | . 1 |
| | | | | |
| | | Equipment Types | Wear or Use (Y/N) | |
| | | Respirators | N | |
| | | Safety goggles/glasses | <u> </u> | |
| | | Face shields | N | |
| | | Coveralls | N | |
| | | Bib aprons | <u> </u> | |
| | | Chemical-resistant gloves | <u> </u> | |
| | | Other (specify) | | |
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 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| 9.15 | process type, respirators t tested, and t | se respirators when we the work areas wher used, the average usa the type and frequence separately for each p | re the respirat age, whether or by of the fit t | ors are us not the r | sed, the type respirators w | of ere fit |
|------|--|---|---|-------------------------|--------------------------------|---|
| CBI | | | | | | |
| [_] | Process type | ••••• | | | | |
| | Work Area N/A | Respirator Type | Average Usage | Fit Tested (Y/N) | Type of Fit Test ² | Frequency of Fit Tests (per year) |
| | | | | | | |
| | A = Daily B = Weekly C = Monthly D = Once a y E = Other (s | | | | st: | |
| | QL = Qualita QT = Quantit | | | | | |
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| 3 10 | Describe all of the work p | ractices and adm | inistrative c | ontrols used | to reduce or | | | |
|-------|--|---|---|---------------------------------|---------------------------------|--|--|--|
| 9.19 | eliminate worker exposure authorized workers, mark a | to the listed su reas with warnin | bstance (e.g. g signs, insu | , restrict en Ire worker det | trance only to ection and | | | |
| BI | monitoring practices, prov question and complete it s | ide worker train eparately for ea | ing programs, ch process ty | pe and work a | rea. | | | |
|] | Process type FOAM PROCESS | | | | | | | |
| | Work area | | | · | | | | |
| | ONLY EMPLOYEES INVOLVED | WITH PROCESS AL | LOWED IN THE | BUILDING. N | 0 | | | |
| | OTHER WORK IN THIS BUILD | DING. | | | | | | |
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| | | | | | | | | |
| .20 | Indicate (X) how often you leaks or spills of the lis separately for each proces | ted substance. | Photocopy thi | sk used to cl s question an | ean up routine d complete it | | | |
| 20 | leaks or spills of the lis | ted substance. s type and work | Photocopy thi | ask used to cl s question an | ean up routine d complete it | | | |
| 2.20 | leaks or spills of the lis separately for each proces | ted substance. s type and work PROCESS | Photocopy thi area. | ask used to cles and an | ean up routine d complete it | | | |
|).20 | leaks or spills of the lis separately for each process Process type FOAM | ted substance. s type and work PROCESS | Photocopy thi area. | s question an | More Than 4 | | | |
| 9.20 | leaks or spills of the lis separately for each process Process type FOAM Work area | ted substance. s type and work PROCESS Less Than | Photocopy this area. 14 1-2 Times | A 3-4 Times | More Than 4 | | | |
|).20 | leaks or spills of the lisseparately for each process Process type FOAM Work area | ted substance. s type and work PROCESS Less Than | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | More Than 4 | | | |
|). 20 | leaks or spills of the lisseparately for each process Process type FOAM Work area | ted substance. s type and work PROCESS Less Than Once Per Day | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | More Than 4 | | | |
| 0.20 | leaks or spills of the lisseparately for each process Process type FOAM Work area | Less Than Once Per Day | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | d complete it | | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type FOAM Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors | Less Than Once Per Day | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | More Than 4 | | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type FOAM Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors | Less Than Once Per Day | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | More Than 4 | | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type FOAM Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors | Less Than Once Per Day | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | More Than 4 | | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type FOAM Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors | Less Than Once Per Day | Photocopy this area. 1-2 Times Per Day | A 3-4 Times | More Than 4 | | | |

| 9.21 | Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance? |
|------|---|
| | Routine exposure |
| | Yes 1 |
| | No |
| | Emergency exposure |
| | Yes 1 |
| | No |
| | If yes, where are copies of the plan maintained? |
| | Routine exposure: |
| | Emergency exposure: |
| 9.22 | Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response. |
| | Yes 1 |
| | No |
| | If yes, where are copies of the plan maintained? |
| | Has this plan been coordinated with state or local government response organizations? Circle the appropriate response. |
| | Yes 1 |
| | No |
| 9.23 | Who is responsible for monitoring worker safety at your facility? Circle the appropriate response. |
| | Plant safety specialist |
| | Insurance carrier 2 |
| | OSHA consultant 3 |
| | Other (specify) 4 |
| | Mark (X) this box if you attach a continuation sheet. |

| 9.24 | Who is responsible for safety and health training at your facility? Circle the appropriate response. |
|------|--|
| | Plant safety specialist |
| | Insurance carrier 2 |
| | OSHA consultant 3 |
| | Other (specify) 4 |
| | |
| 9.25 | Who is responsible for the medical program at your facility? Circle the appropriate response. |
| 9.25 | |
| 9.25 | Plant physician 1 |
| 9.25 | Plant physician |

 $[\ \ \]$ Mark (X) this box if you attach a continuation sheet.

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RO, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

| 10.01 | Where is your facility located? Circle all appropriate responses. |
|------------|---|
| <u>CBI</u> | |
| [_] | Industrial area |
| | Urban area |
| | Residential area |
| | Agricultural area |
| | Rural area(|
| | Adjacent to a park or a recreational area |
| | Within 1 mile of a navigable waterway |
| | Within 1 mile of a school, university, hospital, or nursing home facility |
| | Within 1 mile of a non-navigable waterway |
| | Other (specify)1 |

| | Specify the exact location of your is located) in terms of latitude as (UTM) coordinates. | facility (from centrand longitude or Unive | al point where rsal Transverse | process unit • Mercader |
|--------------|---|---|-----------------------------------|-------------------------------|
| | Latitude | | 78 • 2 | 43 |
| | Longitude | ····· | 38 • 5 | 9 ' 20 " |
| | UTM coordinates Zone | UK , Northin | g <u>UK</u> , Eas | sting <u>UK</u> |
| 10.03 | If you monitor meteorological condithe following information. | tions in the vicinit | y of your facil | lity, provide |
| | Average annual precipitation | | | inches/year |
| | Predominant wind direction | | | |
| 10.04 | Indicate the depth to groundwater | pelow your facility. | | |
| | Depth to groundwater | | | meters |
| 10.05 CBI | For each on-site activity listed, listed substance to the environment Y, N, and NA.) | indicate (Y/N/NA) all c. (Refer to the ins | routine releas | ses of the a definition of |
| [_] | On-Site Activity | Envir Air | onmental Releas Water | |
| | ··· bite | | | se Land |
| | Manufacturing | NA | NA | |
| | | NA NA | NA NA | Land |
| | Manufacturing | | | Land NA |
| | Manufacturing Importing | NA | NA | Land NA NA |
| | Manufacturing Importing Processing | NA Y | NA N | NA NA NA |
| | Manufacturing Importing Processing Otherwise used | NA Y NA | NA N NA | NA NA NA NA NA |
| | Manufacturing Importing Processing Otherwise used Product or residual storage | NA Y NA N | NA N NA | NA NA NA NA NA NA NA |
| | Manufacturing Importing Processing Otherwise used Product or residual storage Disposal | NA Y NA N | NA N NA N NA | NA |
| | Manufacturing Importing Processing Otherwise used Product or residual storage Disposal | NA Y NA N | NA N NA N NA | NA |

| 10.06 | Provide the following information for the listed s of precision for each item. (Refer to the instruction example.) | tions for furt | ner explanation and |
|------------|--|----------------|---------------------|
| <u>CBI</u> | | | |
| [_] | Quantity discharged to the air | UK | kg/yr <u>+</u> UK % |
| | Quantity discharged in wastewaters | N/A | kg/yr ± % |
| | Quantity managed as other waste in on-site treatment, storage, or disposal units | N/A | kg/yr ± % |
| | Quantity managed as other waste in off-site treatment, storage, or disposal units | N/A | kg/yr <u>+</u> % |

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| 1 | Process type | | |
|---|----------------|--------------------|-------------------|
| | Stream ID Code | Control Technology | Percent Efficienc |
| | N/A) | NONE | |
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| 10.09 CBI | substance in terms residual treatment | ons Identify each emission point source containing the listed of a Stream ID Code as identified in your process block or block flow diagram(s), and provide a description of each point lude raw material and product storage vents, or fugitive emission pment leaks). Photocopy this question and complete it separately pe. |
|--------------|---------------------------------------|--|
| | Process type | FOAM PROCESS |
| • | Point Source ID Code | Description of Emission Point Source |
| | 7.10 | MIXING HEAD FLUSH |
| | 7 - Q | VENT FROM LOG ROLL MOLD |
| | 7-1 | DRUM CONNECTION |
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| Point Source ID Code | Stack Height(m) | Stack Inner Diameter (at outlet) (m) | Exhaust Temperature (°C) | Emission Exit Velocity (m/sec) | Building Height(m) | Building Width(m) ² | Ve Ty |
|-------------------------------|--------------------|--------------------------------------|--------------------------------|--------------------------------|-----------------------|-----------------------------------|----------|
| | NO S | TACKS | | | | | |
| | LEAGAND CN | | | | | | |
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| ¹ Height o | of attached | or adjacent | building | | | | |
| ² Width of | f attached | or adjacent | building | | | | |
| ³ Use the | following | codes to des | ignate vent | type: | | | |
| H = Hor: V = Ver | | | | | | | |
| | | | | | | | |
| | | | | | | | |

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| 10.12 CBI [] | If the listed substance is emitted in particulate form, indicate the particle size distribution for each Point Source ID Code identified in question 10.09. Photocopy this question and complete it separately for each emission point source. | | | | | | |
|----------------|--|--|--|--|--|--|--|
| | Point source ID code | | | | | | |
| | Size Range (microns) | Mass Fraction ($\% \pm \%$ precision) | | | | | |
| | < 1 | | | | | | |
| | ≥ 1 to < 10 | | | | | | |
| | ≥ 10 to < 30 | | | | | | |
| | ≥ 30 to < 50 | | | | | | |
| | ≥ 50 to < 100 | | | | | | |
| | ≥ 100 to < 500 | | | | | | |
| | ≥ 500 | | | | | | |
| | | Total = 100% | | | | | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |

| Equipment Leaks Complete types listed which are expos | the follows | | | | | |
|--|---|--|--|--|--|---|
| according to the specified w the component. Do this for residual treatment block flo not exposed to the listed su process, give an overall per | ed to the leight perce each proces w diagram(s bstance. le centage of | isted subent of the stype ides). Do not this is time per | stance and listed stance and l | nd which a substance in your p e equipmen or intern t the proo | are in sempassing process bont types mittently cess type | rvice through lock or that are operated is |
| Process type FOAM P | ROCESS | | | | | |
| Percentage of time per year | that the li | sted subs | stance is | exposed | to this p | rocess |
| | | | | | | am |
| Equipment Type | | 5-10% | 11-25% | 26-75% | 76-99% | Greater than 99% |
| | | | ` | | | |
| | | | | 0 | | |
| Mechanical | | | | 4 | | |
| Double mechanical ² | | | | 0 | | |
| Compressor seals ¹ | | | | 0 | | |
| • | | | | 2 | | |
| Valves | | | | | | |
| Gas ³ | | | | 0 | | |
| Liquid | | | | 0 | | |
| Pressure relief devices ⁴ (Gas or vapor only) | | | | 1 | | |
| Sample connections | | | | | | |
| Gas | | | | 0 | | |
| Liquid | | | | 0 | | |
| Open-ended lines ⁵ (e.g., purge, vent) | | | | | | |
| Gas | | | | 1 | | |
| Liquid | | | | | - | |
| List the number of pump and compressors | compresso | seals, r | ather th | an the nu | mber of p | umps or |
| continued on next page | | | | | | |
| | exposed to the listed substate for each process type. Process type FOAM Process type | Process type FOAM PROCESS Percentage of time per year that the litype Number Less Pump seals Packed Mechanical Double mechanical Compressor seals Flanges Valves Gas Liquid Pressure relief devices (Gas or vapor only) Sample connections Gas Liquid Den-ended lines (e.g., purge, vent) Gas Liquid List the number of pump and compressor compressors continued on next page | exposed to the listed substance. Photocopy this for each process type. Process type FOAM PROCESS Percentage of time per year that the listed substance by the stype Number of Comport of Lister than 5% 5-10% Pump seals Packed | exposed to the listed substance. Photocopy this question for each process type. Process type FOAM PROCESS Percentage of time per year that the listed substance is type Number of Components in of Listed Substance is than 5% 5-10% 11-25% than 5% 5-10% than 5% 5- | exposed to the listed substance. Photocopy this question and comfor each process type. Process type FOAM PROCESS Percentage of time per year that the listed substance is exposed type Number of Components in Service by of Listed Substance in Process than 5% 5-10% 11-25% 26-75% 14-25% | Process type FOAM PROCESS Percentage of time per year that the listed substance is exposed to this process from the process of the proc |

| ater than the pump stander than the pump stander of the a "B" and/or an "S" ditions existing in the property all pressure reliated devices es closed during normations | the valve during normalief devices in service mal operation that work with Controls Compidentified in 10.13 tontrolled. If a pres | and/or equipped with barrier fluid systemal operation e, including those wild be used during lete the following o indicate which parts and the second control of the second cont | th a sensor (S) that em, or both, indicate equipped with maintenance table for those ressure relief is not controlled, d. Estimated |
|--|---|--|---|
| ort all pressure relition devices es closed during norm rations sure Relief Devices vices in service are con relief devices in service are con relief under column a. Number of sure Relief Devices | mal operation that work with Controls Compidentified in 10.13 tontrolled. If a preson c. b. Percent Chemical | e, including those uld be used during lete the following o indicate which posure relief device | table for those ressure relief is not controlled, |
| es closed during normations sure Relief Devices value relief devices in service are consumer with the column a. Number of sure Relief Devices | with Controls Compidentified in 10.13 tontrolled. If a presence. b. Percent Chemical | lete the following o indicate which parts of the relief device | table for those ressure relief is not controlled, |
| sure Relief Devices value relief devices in service are con "None" under column a. Number of sure Relief Devices | with Controls Compidentified in 10.13 tontrolled. If a presn c. b. Percent Chemical | lete the following o indicate which p sure relief device | table for those ressure relief is not controlled, d. Estimated |
| sure relief devices in service are con relief with the column of the col | identified in 10.13 to ontrolled. If a preson c. b. Percent Chemiçal | o indicate which posure relief device | ressure relief is not controlled, d. Estimated |
| Number of sure Relief Devices | Percent Chemical | | Estimated |
| sure Relief Devices | | Control Device | Estimated Control Efficiency ² |
| A – NONE | | | |
| | | | |
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| | | | |
| | | | |
| | | | Mar fire |
| | | | |
| | | | |
| ing entitled "Number | of Components in Ser | ord the percent ran rvice by Weight Per | ge given under the cent of Listed |
| rupture discs under ciency of 98 percent | normal operating con | nditions. The EPA | assigns a control |
| | ing entitled "Number tance" (e.g., <5%, 5 EPA assigns a contro | ing entitled "Number of Components in Sertance" (e.g., <5%, 5-10%, 11-25%, etc.) EPA assigns a control efficiency of 100 properture discs under normal operating conciency of 98 percent for emissions routed | EPA assigns a control efficiency of 100 percent for equipme rupture discs under normal operating conditions. The EPA ciency of 98 percent for emissions routed to a flare under |

| 10.15 | Equipment Leak Detec place, complete the procedures. Photocotype. | following table reg | arding thos | se leak dete | ection and re | epair |
|-------|---|---|-------------|--------------|-----------------------|------------|
| CBI | | | | | | |
| [_] | Process type | | | | ···· | |
| (| N/A) | Leak Detection Concentration (ppm or mg/m³) Measured atInches | Detection | | Initiated (days after | |
| | Equipment Type | from Source | | (per year) | <u>detection)</u> | initiated) |
| | Pump seals Packed Mechanical Double mechanical Compressor seals Flanges Valves Gas Liquid Pressure relief devices (gas or vapor only) Sample connections Gas Liquid Open-ended lines Gas Liquid | | | | | |
| | ¹ Use the following compound of POVA = Portable orgoint modern of the Pother (specify) | anic vapor analyzer | • | | | |

| CBI | or residual treatment block flow di | agram(s). | | Operat- | | | |
|-----|--|--|--|---|---|----------------------------------|--------------------|
| | N/A NO BULK STORAGE Floating Composition Throug Vessel Roof of Stored (lite Type Seals Materials per ye | rs Rate Duration | Vessel Inner Vesse Diameter Heigh (m) (m | ing el Vessel Vessel ht Volume Emission | Flow_Diam | | Basis for Estimate |
| | ¹ Use the following codes to design F = Fixed roof CIF = Contact internal floating NCIF = Noncontact internal floating EFR = External floating roof P = Pressure vessel (indicate H = Horizontal U = Underground ³ Indicate weight percent of the 1 ⁴ Other than floating roofs ⁵ Gas/vapor flow rate the emission ⁶ Use the following codes to design C = Calculations | roof ng roof pressure rating) sted substance. Inclu control device was des | MS1 = M MS2 = S MS2R = F LM1 = I LM2 = F LMW = V VM1 = V VM2 = I VMW = V de the total voi | (specify flow rat | rimary dary dary ilient filled lient filled ary tent in paren | l seal, primary seal, primary | ls: |

|) | | Da | ıte | Time | Date | Time |
|---|--------------|-----------------------|-------------------|---------|---------------------|--------------------|
| | Release | Sta | rted | (am/pm) | Stopped | (am/pi |
| | 1 | | | | | |
| | 2 | | | | | |
| | 3 | <u> </u> | | | | |
| | 4 | - | | | | |
| | 5 | - | | | | |
| | 6 | | | | | |
| | Release 1 | Wind Speed (km/hr) | Wind Direction | (%) | Temperature (°C) | |
| | | | | (%) | | (Ÿ/N) |
| | | | | | | |
| | 1 | | | (%) | | |
| | <u>1</u> 2 | | | | | Precipita (Y/N) |
| | 1 2 3 | | | (%) | | |

| ADDENUTY | т. | list | of | Continuation | Sheets |
|-----------|-----|-------|-----|--------------|--------|
| APPENIIIA | 1 2 | 1.151 | 111 | CONTINUATION | |

Attach continuation sheets for sections of this form and optional information after this page. In column 1, clearly identify the continuation sheet by listing the question number to which it relates. In column 2, enter the inclusive page numbers of the continuation sheet for each question number.

| 701 703 ALL-MSDS | 1 1 4 |
|--------------------|--|
| | |
| ALL-MSDS | λ. |
| | 4 |
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| | er trouver a service de la companya |
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| 園園 MATERIAL SAFETY D | DATA SHEET | HAZARO RATING 4 — EXTREME | Five |
|--|--|--|--------------|
| PRODUCT SR-0486B | F | 3 - HIGH 2 - MODERATE | Reactivity |
| PRODUCT | A | 1 - SLIGHT Tox 0 - INSIGNIFICANT | ` \ / |
| SECTIONTI | | | V Special |
| Isofoam® Systems | • | EMERGENCY TE | LEPHONE R |
| Triumph Industrial Park, 505 H | Blue Ball Road | 1301) 39 CHEM TREC 1-(8 | 2-4800 |
| P.O. Box 70, Elkton, MD 219 | 21 (301/392-4800) | | |
| 3 Not Applicable | 4 cata | prend of polyols lysts, and blowing | surfactants |
| | | | |
| SECTION II — CHEMICAL AND PHYSICAL PROPERTIES HAZARDOUS DECOMPOSITION PRODUCTS | CHEMICAL | PHYS FORM | ICAE- |
| | • | 8 Liquid | |
| 5 Oxides of Carbon and Nitrogen | | ODOR | |
| INCOMPATIBILITY (KEEP AWAY FROM) | • • • • • • • • • • • • • • • • • • • | 9 Amine Od | or |
| Reacts with Isocyanates | | APPEARANCE | 12 |
| LIST ALL TOXIC AND HAZARDOUS INGREDIENTS | | — 10 Viscous | ridara |
| Amine Catalysts < 1 % | | Yellow | · |
| 7 | | SPECIFIC GRAVITY 12 (WATER = 1) | 1.03 C 25 °C |
| SECTION IN FIRE AND EXPLOSION DATA | | BOILING PT. | 100 °C |
| SPECIAL FIRE FIGHTING PROCEDURES | FLASH POINT (METHOD USED) Without (CC13F/H20 | | |
| Firefighters must be equipped to prevent breathing of vapors or products of com- | <u> </u> | | _212 |
| bustion. Wear self-contained breathing | EL AMMARI EL IMITS % | · . | ——NA °C |
| apparatus. | <u></u> | 14 | NA °F |
| UNUSUAL FIRE AND EXCLOSION HAZARDS | 27 LOWERUPPER EXTINGUISHING AGENTS | SOLUBILITY IN WATER | · |
| | 以 DRYCHEMICAL X CO. | AT_25°C | Slight |
| ** NDA | WATERSPRAY & FOAM | 15 | .e |
| 25 | WATERFOG DSAND/EARTI | W VOLATILE | NTL |
| | 28 OTHER | EVAP. RATE | |
| ECTION IV HEALTH HAZARD DATA PERMISSIBLE CONCENTRATIONS (AIR) | | 17 (Water=1) | NIL |
| - NDA | | VAPOR PRESSURE 18 (mm Hg at 20 °C) | NA |
| 29 | | VAPOR DENSITY | |
| FFECTS OF OVEREXPOSURE | e de la companya del companya de la companya de la companya del companya de la co | 19 (AIR = 1) | <u> </u> |
| Irritant to eyes and respiratory tract | - - | pH AS IS | NDA |
| TOXICOLOGICAL PROPERTIES | • | 20 - pH KXX 1: | NDA |
| NDA | | STRONG ACID | |
| MERGENCY FIRST AID PROCEDURES Wash with large amounts of water fo | or 15 minutes and | STRONG BASE | |
| z EYES see a physician. | | STABLE | |
| Wipe off excess and wash area w | | UNSTABLE | . 0 |
| Remove contaminated clothing an inated shoes. Wash clothing bef | | VISCOSITY | |
| Provide uncontaminated air supp | | SUS AT 100°F | |
| inhalation physician. | | 22 | NDA |
| | • | 23 Viscosity | e 25.ºc |
| F SWALLOWED See a physician immediately. | | · 1600 C.D. | |
| | | | |
| NA = NOT APPLICABLE NDA = NO DATA AVAIL | ARIE | J L | N. MODE 7:11 |
| NDA = NO DATA AVAII | C= LES | SS THAN | >=MOHȚ∃ROM=< |

| WATERIAL SAFETY DATA SHEET | PRODUCT SR-0486B |
|--|--|
| SECTION V SPECIAL PROTECTION INFORMATION | |
| VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL) | PROTECTIVE GLOVES |
| Mechanical | Impervious rubber or general plastic |
| | EYE PROTECTION |
| 36 | Safety goggles |
| RESPIRATORY PROTECTION (SPECIFY TYPE) | 39 |
| Use only NIOSH approved apparatus | OTHER PROTECTIVE EQUIPMENT . None |
| 37 | 40 |
| PROCEDURES FOR CLEAN-UP | |
| With adequate ventilation, cover with an inert absorbe miculite and transfer to a waste container. Wash area | nt such as clay or ver- with detergent and water. |
| WASTE DISPOSAL | |
| • | 1.00 |
| Dispose of consistent with Federal, State, and local r | egulations. |
| 12 | |
| ECTION VII SPECIAL PRECAUTIONS | |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE | |
| Store between: 40 and 80° F. (5) $\approx 27^{\circ}$ C). | |
| 3 | |
| CTION VIII TRANSPORTATION DATA | |
| UNREGULATED: XX U.S. D.O.T. PROPER SHIPPING NAME NA NA | |
| HEGULATED U.S. D.O.T. HAZARD CLASS BY D.O.T NA 48 | I.D. NUMBER NA |
| TRANSPORTATION RQ LABEL(S) REQUIRED | 49 |
| EMERGENCY 50 51 | |
| FREIGHT CLASSIFICATION | |
| CHEM TREC 52 Liquid Plastis Material/NOIBN. | |
| 1-(800) 424-9300 SPECIAL TRANSPORTATION NOTES | |
| 53 None | |
| CTIONIX COMMENTS | |
| SPECIAL NOTICE: THE FOAM PRODUCED IS AN ORGANIC MATERIAL A COMBUSTIBLE. THE FOAM MUST NOT BE LEFT EX | AND MUST BE CONSIDERED AS POSED OR UNPROTECTED |
| SHIELD THE FOAM FROM HEAT AND SPARKS WITH | A THERMAL BARRIER. |
| | |
| 11/2/11 | |
| IGNATURE | • |
| THE DATES DELVICE | Supervisor |
| OKINE ION DATE | Supervisor |
| 1170100 | Supervisor DATE |
| SUPERSEDES | Supervisor DATE |
| -1126/63 | Supervisor DATE |
| SUPERSEDES | Supervisor DATE |

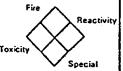
le believe the statements, technical information and recommendations contained herein are reliable, but they is given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for the sylves, damage, or expense, direct or consequential, arising out of their use.



MATERIAL SAFETY DATA SHEET

PRODUCT SR-0486A

| | HAZARO RATING 4 EXTREME | F |
|---|----------------------------|----------|
| 2 | 3 - HIGH | |
| Р | 2 - MODERATE | < |
| Α | 1 - SLIGHT | Toxicity |
| | 0 - INSIGNIFICANT | |



TOTIONES

Isofoam® Systems

Triumph Industrial Park, 505 Blue Ball Road P.O. Box 70, Elkton, MD 21921 (301/392-4800)

EMERGENCY TELEPHONE
MANUFACTURER

13.0.4.) 392-4800
CHEM TREC 1-(800) 424-9300

CHEMICAL NAME OR FAMILY

Reactive Isocyanates

4 Proprietary

| · | HEMICAL AND PHYSICAL PROPERTIES | CHEMICAL | PHYS | ICAL |
|--|---|---------------------------|---|-----------------|
| 1 | MPOSITION PRODUCTS | • | FORM | • |
| | f carbon and nitrogen | | 8 Liquid | |
| 5 | · · · · · · · · · · · · · · · · · · · | • | ODOR Sharp I | Pungent |
| | KEEP AWAY FROM) | | IDI Odd | r |
| - | eisture), Alcohols, Amines, Str | ong Acids and Bases | APPEARANCE | |
| 6 | | | 10) Ab 7 | |
| LIST ALL TOXIC AN | D HAZARDOUS INGREDIENTS | | COLOR Amber L | rdniq |
| 80/20 | 2, 4/2, 6 - Toluene Diisocyanat | e Ca 40% | 11 | |
| Ь | | | SPECIFIC GRAVITY | NDA @ 25°C |
| CAS | 26471-62-5 | | | MDA C 25 C |
| | RE AND EXPLOSION DATA | | BOILING PT. | °C |
| SPECIAL FIRE FIGHT | ING PROCEDURES Firefighters must be | FLASH POINT (METHOD USED) | | •F |
| equipped to | prevent breathing of vapors or | | 13 MELTING PT. | |
| | combustion. Must wear self- | 26 135 °C 276 °F | MELTING PT. | NDA °c |
| | eathing apparatus. | FLAMMABLE LIMITS % | 14 | NDA 🕞 |
| 24 | G II was and a | 27 LOWER NDAUPPERNDA | <u> </u> | |
| UNUSUAL FIRE AND | EXPLOSION HAZARDS Avoid moisture | EXTINGUISHING AGENTS | SOLUBILITY IN WATER | |
| | on in closed containers. Reac- | Y DRYCHEMICAL Y CO. | AT_NA _°C | Reacts 🖫 |
| Lion with mo | | ¥ WATERSPRAY % FOAM | 15 | |
| | the container. | i | % VOLATILE | |
| 25 | · · | WATERFOG SAND/EARTH | 16 (BY WT %) | NDA |
| 25] | | 28 TOTHER | EVAP, RATE | |
| SECTION IV = H | EALTH HAZARD DATA | | 77.4 | NDA . |
| PERMISSIBLE CONC | | | 17 (Water = 1)VAPOR PRESSURE | - NDA |
| | | | 18 (mm Hg at 20 °C) | <u> </u> |
| | m - O.S.H.A. TLV for TDI | + | - | |
| EFFECTS OF OVERES | CPOSURE Irritant to eyes & respi ches, nausea, coughing, shortne comfort. May result in respira | ratory tract. May | VAPOR DENSITY | NDA |
| cause neada | Cnes, nausea, cougning, snorthe | ess of breath, & | | NID 0 |
| TOYICOLOGICAL DO | OBSETTIS MOST COMES SAIL | cory distress. | pH AS IS | NDA NDA |
| reaction' | OPERTIES May cause allergic skin Persons with known respiratory | or respiratory | 20 pH (XXX) | NDA |
| | posure to this product. | arreleges priority | 07700110 1 010 | _ |
| EMERGENCY FIRST | AID PROCEDURES | | STRONG ACID | 1 |
| In cas | e of eye contact, flush with p | | STRONG BASE | _ , |
| | st 15 minutes. Call a physicia | | STABLE | |
| | Wash thoroughly with soap and | | UNSTABLE | |
| 33 SKIN CONTACT | contaminated clothing & discar | | | |
| | shoes. Wash clothing before re | use. | VISCOSITY | |
| <u>. </u> | Remove from contaminated area | | AT 100 °F | |
| 34 INHALATION | onment. Call a physician. If v | ictim is not breath | 22 | <u> NDA</u> |
| · | -ing, give artificial respirat | | ²³ 2,000 cps | a 25°C |
| · | mouth-to-mouth. If breathing is | difficult, give | -5 2,000 cps | ر دے ج <u>ی</u> |
| 35 IF SWALLOWED | Call a physician immediately. | oxygen. | Viscosity @ 2 | 5°C ≥ |
| 4/ LV1 | a prijororan inneuracely. | | | |
| N | | | cps | |
| NA = NOT APP | PLICABLE NDA = NO DATA AVAIL | ABLE <= LESS | THAN | >= MORE THAN |

est cupy avail

MATERIAL SAFETY DATA SHEET PRODUCT... SECTION V - SPECIAL PROTECTION INFORMATION PROTECTIVE GLOVES VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL) Impervious rubber or Mechanical: to maintain vapors below the TDI TLV = 0.005 ppm 38 plastic EYE PROTECTION Safety goggles and face shield to avoid 36 RESPIRATORY PROTECTION (SPECIFY TYPE) 39 splashing on face. OTHER PROTECTIVE EQUIPMENT Respirator that provides Use NIOSH approved breathing apparatus. fresh air & splash apron. SECTION VI - HANDLING OF SPILLS OR LEAKS PROCEDURES FOR CLEAN-UP With adequate ventilation, cover with an inert absorbent material such as clay or vermiculite, transfer to a metal container. Saturate with water but DO NOT SEAL THE CONTAINER (CO2 will be generated). Wash the area with water containing 50% ammonia and detergent. Wear respirator and other protective equipment for protection of eyes and skin during cleanup. WASTE DISPOSAL Dispose of consistent with Federal, State, and local regulations. SECTION VII - SPECIAL PRECAUTIONS PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Avoid contact with moisture. Isocyanates react with water and generate CO2 which may rupture sealed containers. Store between 40 and 80°F (5 and 27°C). SECTION VIII TRANSPORTATION DATA U.S. D.O.T. PROPER SHIPPING NAME UNREGULATED X I.D. NUMBER U.S. D.O.T. HAZARD CLASS REGULATED BY D.O.T NA 48 LABELISI REQUIRED RQ TRANSPORTATION NA **EMERGENCY** 50 INFORMATION FREIGHT CLASSIFICATION Liquid Plastic Material/NOIBN **CHEM TREC** SPECIAL TRANSPORTATION NOTES 1-(800) 424-9300 None 53 SECTIONIX - COMMENTS

NOTE:

THE FOAM PRODUCED IS AN ORGANIC AND MUST BE CONSIDERED AS COMBUSTILBE.

THE FOAM MUST NOT BE LEFT EXPOSED OR UNPROTECTED. SHIELD THE FOAM FROM

HEAT AND SPARKS WITH A THERMAL BARRIER.

| William V | 7 | | TITI C | Sales | Service | Supervisor | | |
|---------------|---------|-------|--------|-------|---------|------------|-------|---|
| REVISION DATE | SENT TO | ATTN: | | | | | DATE_ | |
| SUPERSEDES | • | | | | | | | • |
| | | | | | | • | • | |

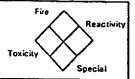
We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use



MATERIAL SAFETY DATA SHEET

PRODUCT SR-0486A

HAZARO RATING
N 4 — EXTREME
F 3 — HIGH
P 2 — MODERATE
A 1 — SLIGHT
O — INSIGNIFICANT



Isofoam® Systems

Triumph Industrial Park, 505 Blue Ball Road P.O. Box 70, Elkton, MD 21921 (301/392-4800)

EMERGENCY TELEPHONE
MANUFACTURER

13.0-1.) 3.9.2-4800
CHEM TREC 1-(800) 424-9300

CHEMICAL NAME OR FAMILY
3 Reactive Isocyanates

FORMULA

Proprietary

| | HEMICAL AND PHYSICAL PROPERTIES | CHEMICAL | PHYS | ICAL |
|--|---|---------------------------|------------------------|-----------------|
| 1 | OMPOSITION PRODUCTS | • | FORM | • |
| 0xides o | of carbon and nitrogen | | 8 Liquid | |
| 5 | | | <u> </u> | |
| INCOMPATIBILITY | (KEEP AWAY FROM) | | -L_ Sharp i | Pungent |
| | pisture), Alcohols, Amines, Str | ong Acids and Bases | 9 TDI Odo | r |
| 6 | resource, infections, minimizes, bor | one words and pases | APPEARANCE | |
| | , | | -10 Ambon Ta | المسترة المسترة |
| LIST ALL TUXIC AN | D HAZARDOUS INGREDIENTS | | COLOR Amber Li | rqura |
| 80/20 | 2, 4/2, 6 - Toluene Diisocyanat | e Ca 40% | [1] | ÷ |
| <u></u> | , , , , , ============================ | | SPECIFIC GRAVITY | 0.050a |
| 7 CAS | 26471-62-5 | | 12 (WATER = 1) | NDA @ 25°C |
| to the same of | | | BOILING PT. | |
| SECTION III F | IRE AND EXPLOSION DATA | | | °C |
| SPECIAL FIRE FIGHT | INGPROCEDURES Firefighters must be | FLASH POINT (METHOD USED) | | |
| equipped to | prevent breathing of vapors or | [c.o.c. | 13 | |
| oquipped to | prevent breathing of vapors of | 26 135 °C 276 °F | MELTING PT. | NDA °c |
| | combustion. Must wear self- | FLAMMABLE LIMITS % | <u> </u> | NDA |
| contained br | eathing apparatus. | | 14 | NDA of |
| 24 | | 27 LOWER NDAUPPERNDA | SOLUBILITY | |
| UNUSUAL FIRE AND | DEXPLOSION HAZARDS Avoid moisture | EXTINGUISHING AGENTS | IN WATER | |
| ntaminati | on in closed containers. Reac- | Z DOV(JISMICAL Z CO | | Reacts 🖫 |
| non with mo | istumo trill componeto CO- which | A DRYCHEMICAE & CO; | AT_NA _°C | |
| TON WICH MO | isture will generate CO2 which | WATERSPRAY | 15 . | |
| L | the container. | ₩ WATERFOG SAND/EARTH | % VOLATILE | *** |
| 25 | | 28 _ OTHER | 16 (BY WT %) | <u>NDA</u> |
| | | | EVAP. RATE | |
| SECTION IV - H | EALTH HAZARD DATA | | h ! | NDA |
| PERMISSIBLE CONC | | | 17 (<u>Water</u> = 1) | NDA |
| | | | VAPOR PRESSURE | 10 011 |
| 29 0.005 pp | m - O.S.H.A. TLV for TDI | | 18 (mm Hg at 20°C) | <u></u> |
| | | not one though Mary | VAPOR DENSITY | NDA |
| cause heada | xPOSURE Irritant to eyes & respinches, nausea, coughing, shortnescomfort. May result in respira | ess of breath & | 19 (AIR = 1) | NUA |
| on chest dis | scomfort. May result in respira | tory distress. | | NDA |
| | | | pH AS IS | NDA |
| reaction | OPERTIES May cause allergic skin Persons with known respiratory | or respiratory | 20 pH (XXX) | NDA |
| | | arreigles should | | |
| EMERGENCY FIRST | posure to this product. | | STRONG ACID | |
| In cas | e of eye contact, flush with p | lenty of water for | STRONG BASE | |
| | st 15 minutes. Call a physicia | | STABLE | XX |
| 40 100 | | | UNSTABLE | |
| | Wash thoroughly with soap and | | 21 | |
| 33 SKIN CONTACT | contaminated clothing & discar | | | |
| | shoes. Wash clothing before re | | VISCOSITY | • |
| | Remove from contaminated area | to fresh air envir- | SUS AT 100 °F | ` l |
| 34 INHALATION | onment. Call a physician. If v | ictim is not breath | 22 | NDA |
| | -ing, give artificial respirat | | | |
| | mouth-to-mouth. If breathing is | | 23 2,000 cps | @ 25 C |
| 35 IF SWALLOWED | | | Winner & C | e0a |
| . · | Call a physician immediately. | oxygen. | Viscosity @ 2 | <u>5.70</u> € |
| 4. 4 1 1. | | | | |
| | | | cps | |
| NA = NOT AP | PLICABLE NDA = NO DATA AVAII | ABLE <= LESS T | HAN | >= MORE THAN |

| IVIATERIAL SAFETY DATA SHEET | PRODUCTSR | -0486A |
|--|--------------------------------------|---------------------------------------|
| SECTION V — SPECIAL PROTECTION INFORMATION | | |
| VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL) | PROTECTIVE GLOVES | , , |
| | | rubber or |
| Mechanical; to maintain vapors below the TDI TLV = 0.005 ppm | | |
| | EYE PROTECTION S | |
| 36 | | ield to avoid |
| RESPIRATORY PROTECTION (SPECIFY TYPE) | 39 splashing o | |
| Use NIOSH approved breathing apparatus. | OTHER PROTECTIVE EN Respirator th | at provides |
| | —fresh air & | splash apron. |
| 37 | 40 | |
| SECTION VI HANDLING OF SPILLS OF LEAKS | | |
| PROCEDURES FOR CLEAN-UP With adequate ventilation, cover with an | inert absorber | t material |
| such as clay or vermiculite, transfer to a metal container. | Saturate with | water but DO |
| NOT SEAL THE CONTAINER (CO2 will be generated). Wash the are | ea with water | containing |
| 50% ammonia and detergent. Wear respirator and other protect | tive equipment | for protection |
| of eyes and skin during cleanup. | | |
| WASTE DISPOSAL | | |
| | | |
| Dispose of consistent with Federal, State, and local r | egulations. | |
| 42 | | |
| SECTION VII - SPECIAL PRECAUTIONS | | |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE | | |
| Avoid contact with moisture. Isocyanates react with | water and ge | nerate CO2 |
| which may rupture sealed containers. Store between 40 an | d 80°F (5 and | 27°C). |
| | | |
| SECTION VIII — TRANSPORTATION DATA | | |
| UNREGULATED V.S. D.O.T. PROPER SHIPPING NAME | | |
| UNREGULATED X NA NA | | යුත් යා ්න |
| REGULATED U.S. D.O.T. HAZARD CLASS | | I.D. NUMBER |
| 45 BY D.O.T 48 NA | | AN (e) |
| RO LABELIST REQUIRED | | [43] 11.1 |
| TRANSPORTATION EMERGENCY 50 51 NA | | |
| INFORMATION FREIGHT CLASSIFICATION | | |
| Liquid Plastic Material /NOTRN | | |
| SPECIAL TRANSPORTATION NOTES | | · · · · · · · · · · · · · · · · · · · |
| 1-(800) 424-9300 Sale None | | |
| | | <u> </u> |
| SECTION X COMMENTS | | |
| NOTE: THE FOAM PRODUCED IS AN ORGANIC AND MUST BE CONSIDE | RED AS COMBUS | TILBE. |
| THE FOAM MUST NOT BE LEFT EXPOSED OR UNPROTECTED. | SHIELD THE FO | M FROM |
| HEAT AND SPARKS WITH A THERMAL BARRIER. | | |
| 54 | | |
| | | |
| | | |
| SIGNATURE Sales Service | e Supervisor | |
| | | |
| REVISION DATE 1/1/20/85 SENT TO ATTN: | | DATE |
| SUPERSEDES | | • |
| | | |

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| | 圆 MA | TERIAL SAF | -FIA D | ATA SHEET | | ARD RATING EXTREME | Fire |
|----------------------------------|---------------------------------------|------------------------------------|---|--|----------|----------------------------------|--|
| ٤ | | PRODUCT S | R-0486B | | F 3 - | HIGH MODERATE | Reactivity |
| • | | - RODUCT | | | ^ 1 — | SLIGHT Toxi | ` \ / |
| ISECTION | • • | | | | 10- | WOODWA CONT | ✓ Special |
| ' | | am® Systems | | • | | EMERGENCY TE | LEPHONE |
| | Trium | nph Industrial Pa | ark, 505 E | Blue Ball Road | | 1 30 11 39 CHEM TREC 1-(8 | 2-4800 |
| CHEMICAL NAN | — P.O. | Box 70, Elkton, | , MD 219 | 21 (301/392-4800) | | 1 | ······································ |
| | pplicable | | | 4 cata | oren | d of polyols s. and blowin | surfactants ng agents. |
| manufacture of the second second | | | | | | | o aboutes. |
| SECTION II | ECOMPOSITION P | NO PHYSICAL PROF | PERTIES | CHEMICAL | | PHYS | ICAE- |
| | | , | <i>!*</i> • | : · · · · | | FORM Liquid | • |
| | | on and Nitroge | n . · | | t | ODOR | |
| 1 ' | ITY (KEEP AWAY F | | | .*. | | 9 Amine Od | or |
| 6 Reac | cts with Is | ocyanates | | | - | APPEARANCE | |
| . · | AND HAZARDOUS | • | . 1.1 | * | L | 10 Viscous | ridarq |
| Amin | e Catalyst | s < 1 % | | | 1. | 11 Yellow | |
| 7 | - | | - | | | SPECIFIC GRAVITY | 1 <u>.03</u> ∶@ 25 °C |
| SECTIONALE | FIRE AND EX | PEOSION DATA | • | | | BOILING PT. | 100 |
| SPECIAL FIRE FIG | GHTING PROCEDU | RES | · , | FLASH POINT (METHOD USED Without (CC13F/H2) | <u> </u> | _ | _100 →c |
| | | be equipped to s or products | | 26 155 •c 310 | | MELTING PT. | _212 |
| | | -contained brea | | EL AMMAGNET MAITS 04 | | | — NA °C |
| appara | itus. | | | | A | 14 | NA •F |
| 1 1 | AND EXTLOSION H | IAZARDS | | 27 LOWERUPPER EXTINGUISHING AGENTS | - | SOLUBILITY IN WATER | |
| | , | | | D DRYCHEMICAL CX CO. | | AT <u>25</u> °C | Slight _ |
| | NDA | | • | WATERSPRAY & FOAM | 1 1- | 15 | 12 F 11 18 |
| 25 | | | | ☐ WATERFOG ☐ SAND/EAR 28 ☐ OTHER | TH | % VOLATILE (BY WT %) | NTI. |
| | • | | | 120 CLI OTHER | = | EVAP. RATE | |
| SECTION IV | HEALTH HAZ | ARD DATA | | | h | 7 (Water=1) | NIL |
| | NDA | 300 | | | | VAPOR PRESSURE | NA |
| 29 | | | | | | B (mm Hg at 20°C) VAPOR DENSITY | |
| EFFECTS OF OVE | | | • | and the second s | | 9 (AIR = 1) | <u> </u> |
| | | and respirato | ory tract | | | pH AS IS | NDA |
| TOXICOLOGICAL | | | | | 2 | o pH KXX 1: | NDA |
| 31 . | NDA | | • | | . [| STRONG ACID | |
| EMERGENCY FIRS | STAID PROCEDUR Sh with lar | ge amounts of | water fo | or 15 minutes and | | STRONG BASE | |
| | e a physici | | - | | | STABLE | |
| _ | | | | ith soap & water. | | UNSTABLE | <u> </u> |
| 33 SKIN CONTAC | | ntaminated clot loes. Wash clot | | d discard contam- ore reuse | | VISCOSITY | |
| _ | | ncontaminated | | | | SUS TAT 100°F | |
| 34 INHALATION | physician | • | · | | 2 | 2 | NDA |
| | | | | • | 2 | 3 Viscosity (| ₂ 25 °C |
| 35 IF SWALLOWE | ED See a ph | ysician immedi | ately. | | | . 1600 | |
| | | • | | | | · 1600 cp | |
| NA = NOT A | A.PPLICABLE | NDA - NO | D DATA AVAIL | À815 | ESS THA | N | - MODS 711 |
| | · · · · · · · · · · · · · · · · · · · | 100 - W | JONINAVAIL | \= Lt | LOO INA | iiv , | -nah, shom=< |
| · arej | | گال انسلام الم | · n- | 1 4 0 | | | |

| L型图 MA | TERIAL SAFETY DATA SHEET | PRODUCT SR-04 | 86B |
|---|--|--------------------------------------|-----------------------|
| CTION V SPECIAL PR | OTECTION INFORMATION: LOCAL, MECHANICAL, SPECIAL) | PROTECTIVE GLOVES Impervious ru | bber or |
| Mechanical | • | 38 plastic EYE PROTECTION | |
| SPIRATORY PROTECTION (SF | PECIFY TYPE) | Safety goggle | |
| | OSH approved apparatus | None | MEINT |
| CTION VI HANDLING | | | |
| With adequate miculite and | e ventilation, cover with an inert absorbe transfer to a waste container. Wash are | ent such as clay a with detergent | or ver- and water. |
| VASTEDISPOSAL Dispose of c | onsistent with Federal, State, and local | regulations. | 7,000 |
| ECTION VII—SPECIAL PRECAUTIONS TO BE TAKEN II Store between | PRECAUTIONS! NHANDLING AND STORAGE n:40: and 80°F. (6.2-27°C). | | |
| CTION VIII TRANSPO | ORTATION DATA | | |
| UNREGULATED XX | THIS DOLT, PROPER SHIPPING NAME | | TI.D. NUMBER |
| REGULATED BY D.O.T | U.S. D.O.T. HAZARO CLASS NA 48 | | NA NA |
| TRANSPORTATION EMERGENCY INFORMATION | RO LABELIST REQUIRED 50 51 NONE FREIGHT CLASSIFICATION 52 Liquid Plastis Material/NOIBN. | • | |
| 1-(800) 424-9300 | SPECIAL TRANSPORTATION NOTES 53 None | · | : |
| ECTION IX COMMEN | TS : | | |
| SPECIAL NOTICE: | THE FOAM PRODUCED IS AN ORGANIC MATERIAL | EXPOSED OF ONLING | TECTED. |
| 4 | SHITELD THE FOAM FROM HEAT AND STARRS WILL | | |
| | SHIELD THE FOAM FROM HEAT AND SPARKS WIT | | |
| SIGNATURE | Williaki TITLE Sales Serv | | |
| SIGNATURE | | | DAYE |
| SIGNATURE | Williaki TITLE Sales Serv | | |

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